Quick Sarkari

DSSSB PREVIOUS YEAR PAPER WITH ANSWER KEY

DSSSB TGT Mathematics (Female)

22 September 2018 · Shift 1

डीएसएसएसबी टीजीटी गणित – 22 सितंबर 2018, शिफ्ट 1 का प्रश्न पत्र, उत्तर कुंजी सहित

200	120 min	1 / −0.25	EN + HI
Questions / प्रश्न	Duration / समय	Marks per Q / अंक	Language / भाषा

Sections: Mental Ability, General Awareness, Arithmetic Ability, General English, General Hindi, Subject Related

INSIDE THIS PDF / इस PDF में

Official Question Paper with Answer Key (English + Hindi) Page 2–159
आधिकारिक प्रश्न पत्र, उत्तर कुंजी सहित (अंग्रेज़ी + हिंदी)

HOW TO USE THIS PAPER / इस पेपर का उपयोग कैसे करें

1. Attempt the paper first as a timed online mock test (link below).
   पहले नीचे दिए लिंक से इसे टाइमर के साथ ऑनलाइन मॉक टेस्ट के रूप में हल करें।
2. Check your score, section-wise analysis and solutions online.
   ऑनलाइन अपना स्कोर, खंड-वार विश्लेषण और हल देखें।
3. Use this PDF for revision. Correct answers are marked with a green tick.
   दोहराने के लिए इस PDF का उपयोग करें। सही उत्तर हरे टिक से चिह्नित हैं।

Attempt this paper as a FREE online mock test

इस पेपर को फ्री ऑनलाइन मॉक टेस्ट के रूप में हल करें – टाइमर, स्कोर और हल के साथ

https://quicksarkari.com/dsssb-tgt-mathematics-female-22-september-2018-shift-1-mock-test/

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Question Paper Preview

Notations :

1.Options shown in green color and with ✔ icon are correct.

2.Options shown in red color and with ✖ icon are incorrect.

Question Paper Name:	TGT MATHS FEMALE 22nd September 2018 Shift 1
Subject Name:	TGT MATHS FEMALE
Creation Date:	2018-09-22 13:33:12
Duration:	120
Total Marks:	200
Display Marks:	Yes
Share Answer Key With Delivery Engine:	Yes
Actual Answer Key:	Yes
Calculator:	None
Magnifying Glass Required?:	No
Ruler Required?:	No
Eraser Required?:	No
Scratch Pad Required?:	No
Rough Sketch/Notepad Required?:	No
Protractor Required?:	No
Show Watermark on Console?:	No
Highlighter:	No
Auto Save on Console?:	No

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Mental Ability

Group Number :	1
Group Id :	167943454
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20
Revisit allowed for group Instructions? :	Yes
Maximum Instruction Time:	0
Minimum Instruction Time:	0

Mental Ability

Section Id :	167943519
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	20
Number of Questions to be attempted:	20
Section Marks:	20

Display Number Panel: Yes
Group All Questions: No

Sub-Section Number: 1
Sub-Section Id: 167943862
Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 16794313714 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

Energy is related to Joule in the same way as Force is related to:

Options :

1. ✔ Newton

2. ✖ Kilogram

3. ✖ Seconds

4. ✖ Meter

Question Number : 1 Question Id : 16794313714 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

'ऊर्जा', 'जूल' से उसी तरह से संबंधित है जैसे 'बल', '_____' से संबंधित है।

Options :

1. ✔ न्यूटन

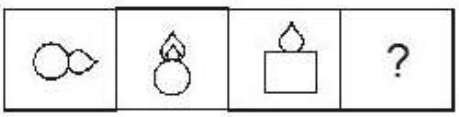
2. ✖ किलोग्राम

3. ✖ सेकंड

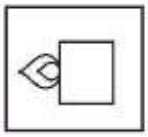
4. ✖ मीटर

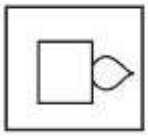
Question Number : 2 Question Id : 16794313715 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

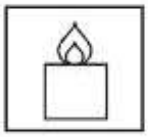
Select the option that is related to the third term in the same way as the second term is related to the first term.

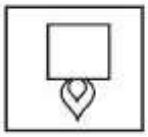


Options :

1. ✔ 

2. ✖ 

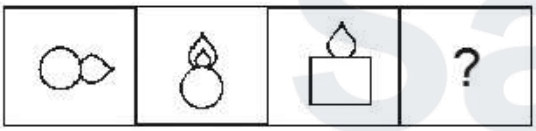
3. ✖ 

4. ✖ 

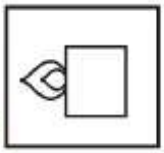
Question Number : 2 Question Id : 16794313715 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

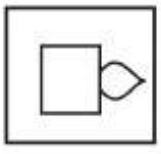
Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से उस विकल्प का चयन करें जो की तृतीय चित्र से उसी तरह से संबंधित है जैसे कि दूसरा चित्र, पहले चित्र से संबंधित है।

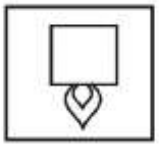


Options :

1. ✔ 

2. ✖ 

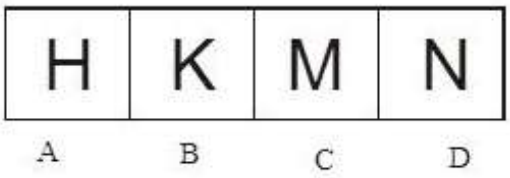
3. ✖ 

4. ✖ 

Question Number : 3 Question Id : 16794313716 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the odd figure in the series.



Options :

1. ✖ A

2. ✖ B

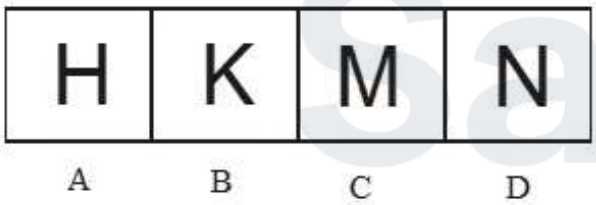
3. ✔ C

4. ✖ D

Question Number : 3 Question Id : 16794313716 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित श्रेणी में भिन्न अक्षर का चयन करें।



Options :

1. ✖ A

2. ✖ B

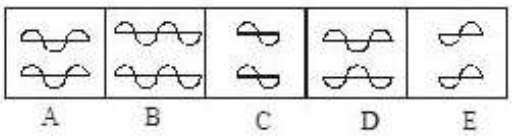
3. ✔ C

4. ✖ D

Question Number : 4 Question Id : 16794313717 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Find the odd figure in the series.



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Options :

1. ✖ A

2. ✖ B

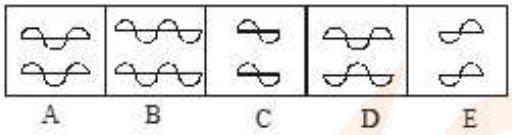
3. ✖ C

4. ✔ D

Question Number : 4 Question Id : 16794313717 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित श्रेणी में भिन्न चित्र का चयन करें।



Options :

1. ✖ A

2. ✖ B

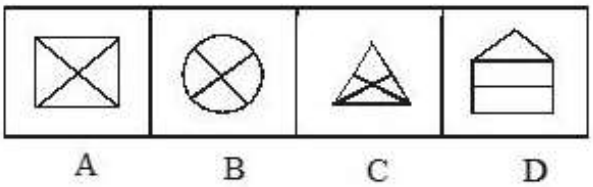
3. ✖ C

4. ✔ D

Question Number : 5 Question Id : 16794313718 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Find the odd figure in the series.



Options :

1. ✖ A

2. ✖ B

3. ✖ C

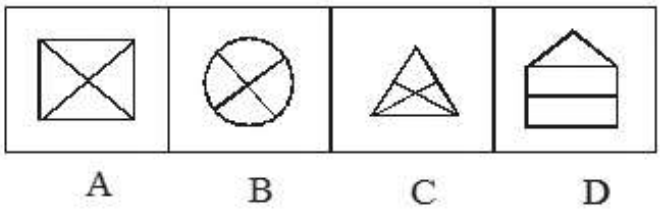
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4. ✔ D

Question Number : 5 Question Id : 16794313718 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित श्रेणी में भिन्न चित्र का चयन करें।



Options :

1. ✖ A

2. ✖ B

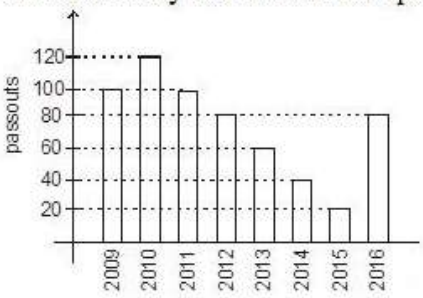
3. ✖ C

4. ✔ D

Question Number : 6 Question Id : 16794313719 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The following bar chart shows information about NTSE pass out percentage for "XYZ" institute for past years. Read the chart carefully and answer the question



In which year more than 100 NTSE passed from "XYZ'

Options :

1. ✖ 2011

2. ✖ 2016

3. ✖ 2009

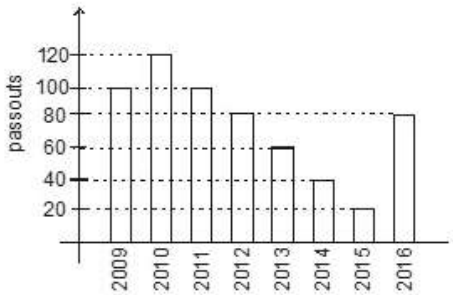
4. ✔ 2010

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Question Number : 6 Question Id : 16794313719 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित बार चार्ट में पिछले वर्षों में "एक्स.वाई.जेड. (XYZ)" संस्था की एन.टी.एस.ई. (NTSE) उत्तीर्ण करने वालों की सूचना दी गई है। इस चार्ट का ध्यानपूर्वक अध्ययन करें और प्रश्न का उत्तर दें।



किस वर्ष में "एक्स.वाई.जेड." से 100 से अधिक छात्र एन.टी.एस.ई उत्तीर्ण हुए थे?

Options :

1. ✖ 2011

2. ✖ 2016

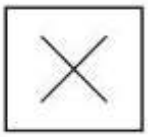
3. ✖ 2009

4. ✔ 2010

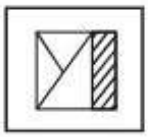
Question Number : 7 Question Id : 16794313720 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

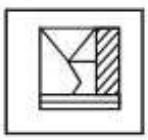
Correct Marks : 1 Wrong Marks : 0.25

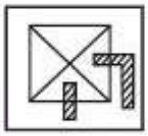
Select the answer figure in which the question figure is embedded/hidden.



Options :

1. ✖ 

2. ✖ 

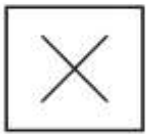
3. ✔ 

4. ✖ 

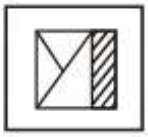
Question Number : 7 Question Id : 16794313720 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

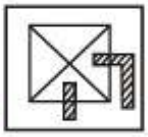
निम्नलिखित में से उस उत्तर चित्र का चयन करें जिसमें प्रश्न का चित्र अंतर्निहित/छिपा हुआ है।



Options :

1. ✖ 

2. ✖ 

3. ✔ 

4. ✖ 

Question Number : 8 Question Id : 16794313721 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Quick Sarkari

Study the following information carefully to answer the question given below

Following are the qualifications and conditions for certain posts in a "XYZ" company, The candidate must
a) be an engineering graduate with at least 70% marks
b) be not less than 21 years and not more than 26 years of age as on 01/04/2018
c) have passed the written test with at least 60% of marks
d) be willing to pay a deposit of Rs.2.5 lacks, to be refunded on completion of probation & training
If the candidate is satisfied with (a)-(e) would be referred as Engineer.
However if the candidate is satisfied with all the above except

(i) at (a) but appeared final semester exam result yet to be declared with 75% average marks up to seventh semester be referred as Project-Engineer
(ii) at (a) but has done diploma in engineering with 75% of marks be referred as Asst. Engineer
(iii) at (d) be willing to pay Rs.1.5 lakhs as security deposit he referred as Engineer-Trainee
(iv) at (b) even if age above 26 years age as on 1/4/18 but with 3 years of experience be referred as senior-Engineer
Shashank has completed Diploma in Engineering with 76% of marks, he also has cleared written test with 62% of marks. He is completed 22 years of age as on April 2018. He is also willing to pay security deposit of 2.5 lakhs. For which position he will be referred

Options :

1. ✖ Project - Engineer

2. ✖ Engineer - Trainee

3. ✔ Asst. Engineer

4. ✖ Engineer

Question Number : 8 Question Id : 16794313721 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

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निम्नलिखित सूचना को ध्यानपूर्वक पढ़ें और दिए गए प्रश्न का उत्तर दें।

"XYZ" कंपनी के कुछ पद हेतु योग्यताओं और शर्तों का नीचे उल्लेख किया गया है। उम्मीदवार को अनिवार्य रूप से

a) कम से कम 70% अंक के साथ इंजीनियरिंग का स्नातक होना चाहिए
b) उम्र 01/04/2018 को 21 वर्ष से कम तथा 26 वर्ष से अधिक नहीं होनी चाहिए
c) लिखित परीक्षा कम से कम 60% अंक सहित उत्तीर्ण होना चाहिए
d) ₹ 2.5 लाख की राशि जमा कराने हेतु तैयार होना चाहिए, जिसकी वापसी परिवीक्षा अवधि /प्रशिक्षण के बाद की जाएगी

यदि उम्मीदवार (a)-(d) की शर्तों को पूरा करता है तो उसे इंजीनियर के रूप में संदर्भित किया जाएगा।

(i) हालांकि, यदि उम्मीदवार सिवाय (a) के सभी शर्तों को पूरा करता है परंतु अंतिम सेमेस्टर के परीक्षा परिणाम की घोषणा होना अभी शेष है तथा उसने सातवें सेमेस्टर तक औसत 75% अंक प्राप्त किए हैं तो उसे प्रोजेक्ट इंजीनियर के रूप में माना जाएगा
(ii) यदि उम्मीदवार सिवाय (a) के सभी शर्तों को पूरा करता है परंतु उसने 75% अंक के साथ इंजीनियरिंग में डिप्लोमा किया है तो उसे सहायक इंजीनियर के रूप में माना जाएगा
(iii) यदि उम्मीदवार (d) के अनुसार ₹ 1.5 लाख की राशि सुरक्षा के रूप में जमा करने हेतु तैयार है तो उसे इंजिनियर-प्रशिक्षु के रूप में माना जाएगा
(iv) (b) के अनुसार, यदि उसकी आयु को 1/4/18 को 26 वर्ष से अधिक है परंतु उसे 3 वर्षों का अनुभव प्राप्त है तो उसे वरिष्ठ-इंजीनियर के रूप में माना जाएगा

शशांक ने 76% अंक के साथ इंजीनियरिंग मे डिप्लोमा पूरा किया है, लिखित परीक्षण में भी वह 62% अंक से उत्तीर्ण हुआ है। वर्ष 2018 को उसने 22 वर्ष की आयु पूरी की है। वह ₹ 2.5 लाख की सुरक्षा राशि जमा करने हेतु भी तैयार है। उसे किस पद हेतु सिफारिश की जाएगी?

Options :

1. ✗ प्रोजेक्ट-इंजीनियर

2. ✗ इंजीनियर-प्रशिक्षु

3. ✓ सहायक इंजीनियर

4. ✗ इंजीनियर

Question Number : 9 Question Id : 16794313722 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

While you are playing in the park, you find a lady's diamond necklace dropped on the ground, without notice she went away on her car. You would:

Options :

1. ✗ Take the necklace away

2. ✗ Sell the necklace to someone else to cash it

3. ✔ Deposit at the nearest police station

4. ✖ Leave it there and carry on to your work

Question Number : 9 Question Id : 16794313722 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

आप उद्यान में खेल रहे हैं, आपके सामने एक महिला का हीरे का हार ज़मीन पर गिर जाता है, तथा वह अनदेखे ही मोटर गाड़ी में बैठकर चली जाती है। आप क्या करेंगे?

Options :

1. ✖ हार स्वयं रख लेंगे

2. ✖ नकद राशि के लिए हार को किसी और को बेच देंगे

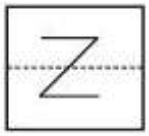
3. ✔ निकट के पुलिस स्टेशन में जमा कर देंगे

4. ✖ उसे वहीं छोड़कर, अपना कार्य करते रहेंगे

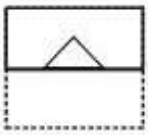
Question Number : 10 Question Id : 16794313723 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

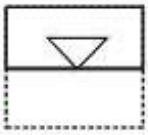
Correct Marks : 1 Wrong Marks : 0.25

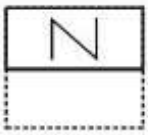
How the pattern would appear when the transparent sheet is folded at the dotted line?



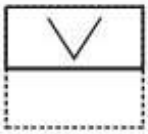
Options :

1. ✖ 

2. ✔ 

3. ✖ 

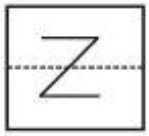
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4. ✖ 

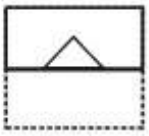
Question Number : 10 Question Id : 16794313723 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

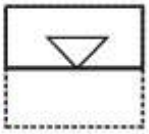
Correct Marks : 1 Wrong Marks : 0.25

पारदर्शी कागज़ को बिंदुरेखित लाइन पर मोड़ने पर कैसा डिज़ाइन बनेगा?

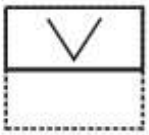


Options :

1. ✖ 

2. ✔ 

3. ✖ 

4. ✖ 

Question Number : 11 Question Id : 16794313724 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A cat always has _____.

Choose the mandatory aspect:

Options :

1. ✖ Bell

2. ✖ Belt

3. ✖ Master

4. ✔ Heart

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Question Number : 11 Question Id : 16794313724 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक बिल्ली में हमेशा _____ होता है, अनिवार्य पहलू का चयन करें।

Options :

1. ✖ घंटी

2. ✖ कमरबंद (बेल्ट)

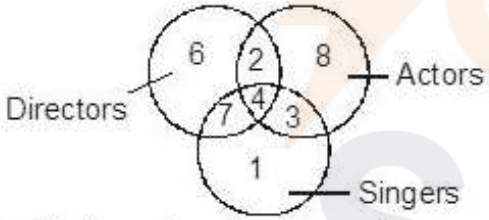
3. ✖ मालिक

4. ✔ हृदय

Question Number : 12 Question Id : 16794313725 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Study the following carefully and answer the given question.



Which region denotes Directors, who are also Actors but not Singers?

Options :

1. ✖ 6

2. ✔ 2

3. ✖ 4

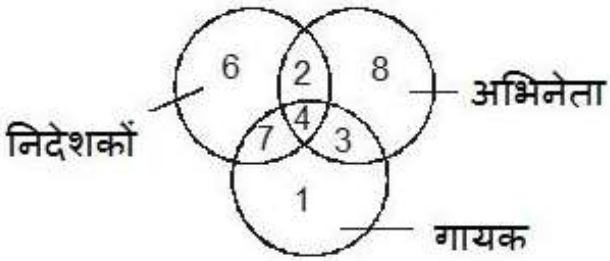
4. ✖ 7

Question Number : 12 Question Id : 16794313725 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

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निम्नलिखित का ध्यानपूर्वक अध्ययन करें और दिए गए प्रश्न का उत्तर दें।



कौन सा क्षेत्र, निदेशकों का संकेत देते हैं जो साथ में अभिनेता तो हैं परंतु गायक नहीं हैं?

Options :

1. ✖ 6

2. ✔ 2

3. ✖ 4

4. ✖ 7

Question Number : 13 Question Id : 16794313726 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Sangita is mother to Sumati. How is Sumatis father's mother related to Sumati?

Options :

1. ✔ Grand mother

2. ✖ Mother in law

3. ✖ Sister

4. ✖ Daughter

Question Number : 13 Question Id : 16794313726 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

संगीता, सुमति की माँ है। सुमति के पिता की माँ का सुमति से क्या संबंध है?

Options :

1. ✔ दादी

2. ✖ सास

3. ✖ बहन

4. ✖ बेटी

Question Number : 14 Question Id : 16794313727 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If A stands for +, B stands for –, C stands for ×, then what is the value of (12C10)A(6C2)B4?

Options :

1. ✖ 156

2. ✖ 130

3. ✔ 128

4. ✖ 148

Question Number : 14 Question Id : 16794313727 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

यदि A का प्रयोग + के लिए, B का प्रयोग - के लिए, C का प्रयोग × के लिए किया जाता है, तो (12C10)A(6C2)B4 का मान क्या होगा?

Options :

1. ✖ 156

2. ✖ 130

3. ✔ 128

4. ✖ 148

Question Number : 15 Question Id : 16794313728 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If you write down all the numbers from 1 to 100, then how many times do you write 7?

Options :

1. ✖ 25

2. ✖ 30

3. ✖ 12

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4. ✔ 20

Question Number : 15 Question Id : 16794313728 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

यदि आप, 1 से 100 तक सभी अंकों को लिखते हैं, तो आप 7 का अंक कितनी बार लिखेंगे?

Options :

1. ✖ 25

2. ✖ 30

3. ✖ 12

4. ✔ 20

Question Number : 16 Question Id : 16794313729 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Four years ago, the ratio of the ages of Madhavi and Manasa was 2 : 1 five years hence, the ratio of their ages will be 3 : 2 what is Manasas age at present?

Options :

1. ✖ 9

2. ✔ 13

3. ✖ 4

4. ✖ 17

Question Number : 16 Question Id : 16794313729 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

चार वर्ष पहले, माधवी और मानसा की आयु का अनुपात 2 : 1 था, पांच वर्ष बाद, उनकी आयु का अनुपात 3 : 2 होगा, मानसा की वर्तमान आयु कितनी है?

Options :

1. ✖ 9

2. ✔ 13

3. ✖ 4

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4. ✖ 17

Question Number : 17 Question Id : 16794313730 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Find the odd pair of words.

Options :

1. ✖ Ohmmeter : Resistance

2. ✔ Potentiometer : Potential

3. ✖ Voltmeter : Voltage

4. ✖ Ammeter : Current

Question Number : 17 Question Id : 16794313730 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से शब्दों के भिन्न युग्म का पता लगाएं।

Options :

1. ✖ ओममीटर : रेजिस्टेंस

2. ✔ पोटेन्शियोमीटर : पोटेन्शियल

3. ✖ वोल्टमीटर : वोल्टेज

4. ✖ अमीटर : करंट

Question Number : 18 Question Id : 16794313731 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Find the odd pair of numbers.

Options :

1. ✖ 6, 4

2. ✖ 8, 2

3. ✔ 5, 9

4. ✖ 7, 3

Question Number : 18 Question Id : 16794313731 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

भिन्न नंबरों के युग्म का पता लगाएं।

Options :

1. ✖ 6, 4

2. ✖ 8, 2

3. ✔ 5, 9

4. ✖ 7, 3

Question Number : 19 Question Id : 16794313732 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Identify the question mark in the series 6, 12, 36, ? , 720

Options :

1. ✔ 144

2. ✖ 160

3. ✖ 125

4. ✖ 93

Question Number : 19 Question Id : 16794313732 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

6, 12, 36, ?, 720 के श्रेणी में निम्नलिखित में से प्रश्न चिन्ह की पहचान करें।

Options :

1. ✔ 144

2. ✖ 160

3. ✖ 125

4. ✖ 93

Question Number : 20 Question Id : 16794313733 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Correct Marks : 1 Wrong Marks : 0.25

Identify the question mark in the series U, P, L, ?, G

Options :

1. ✖ E

2. ✔ I

3. ✖ B

4. ✖ R

Question Number : 20 Question Id : 16794313733 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

U, P, L, ?, G के श्रेणी में निम्नलिखित में से प्रश्न चिन्ह की पहचान करें।

Options :

1. ✖ E

2. ✔ I

3. ✖ B

4. ✖ R

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General Awareness

Group Number :	2
Group Id :	167943455
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20
Revisit allowed for group Instructions? :	Yes
Maximum Instruction Time:	0
Minimum Instruction Time:	0

General Awareness

Section Id :	167943520
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	20

Number of Questions to be attempted:	20
Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	167943863
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 16794313734 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Who among the following was the founder of Satvahana dynasty?

Options :

1. ✖ Rudradaman

2. ✖ Pulumavi

3. ✖ Satakarni – I

4. ✔ Simuka

Question Number : 21 Question Id : 16794313734 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से कौन सातवाहन वंश के संस्थापक थे?

Options :

1. ✖ रुद्रदमन

2. ✖ पुलुमावी

3. ✖ सतकर्णी - I

4. ✔ सिमुक

Question Number : 22 Question Id : 16794313735 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

What was the capital of Pallavas?

Options :

1. ✖ Pragjyotishpura

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2. ✔ Kanchi

3. ✖ Madurai

4. ✖ Thanjavur

Question Number : 22 Question Id : 16794313735 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

पल्लव की राजधानी क्या थी?

Options :

1. ✖ प्रग्ज्योतिशपुरा

2. ✔ कांची

3. ✖ मदुरै

4. ✖ तंजावुर

Question Number : 23 Question Id : 16794313736 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Who among the following was NOT involved in the Kakori conspiracy of 1925?

Options :

1. ✖ Ramprasad Bismil

2. ✔ Bhagat Singh

3. ✖ Ashfaqulla Khan

4. ✖ Chandrasekhar Azad

Question Number : 23 Question Id : 16794313736 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

1925 की काकोरी साजिश में निम्नलिखित में से कौन शामिल नहीं था?

Options :

1. ✖ रामप्रसाद बिस्मिल

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2. ✔ भगत सिंह

3. ✖ अशफ़ाकुल्लाह ख़ाँ

4. ✖ चंद्रशेखर आज़ाद

Question Number : 24 Question Id : 16794313737 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

What is India's rank in the countries producing wheat?

Options :

1. ✖ first

2. ✔ second

3. ✖ third

4. ✖ fifth

Question Number : 24 Question Id : 16794313737 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

गेहूं का उत्पादन करने वाले देशों में भारत का रैंक क्या है?

Options :

1. ✖ प्रथम

2. ✔ दूसरा

3. ✖ तीसरा

4. ✖ पांचवां

Question Number : 25 Question Id : 16794313738 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The winds blow in a belt lying between 5°N-30°N in the northern hemisphere and 5°S-30°S in the southern hemisphere are called:

Options :

1. ✖ Westerly winds

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2. ✔ Trade Winds

3. ✖ Chinook

4. ✖ Sea-breeze

Question Number : 25 Question Id : 16794313738 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

दक्षिणी गोलार्ध में 5°N-30°N और दक्षिणी गोलार्ध में 5°S-30°S के बीच स्थित एक बेल्ट में हवाएं उड़ती हैं:

Options :

1. ✖ पश्चिम की हवाएं

2. ✔ व्यापार हवाएं

3. ✖ चिनूक

4. ✖ समुद्र की हवा

Question Number : 26 Question Id : 16794313739 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Under which article is the President of India empowered to declare a national emergency?

Options :

1. ✖ Article 370

2. ✖ Article 356

3. ✖ Article 360

4. ✔ Article 352

Question Number : 26 Question Id : 16794313739 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

किस लेख के तहत भारत के राष्ट्रपति ने राष्ट्रीय आपातकाल घोषित करने का अधिकार दिया है?

Options :

1. ✖ अनुच्छेद 370

2. ✖ अनुच्छेद 356

3. ✖ अनुच्छेद 360

4. ✔ अनुच्छेद 352

Question Number : 27 Question Id : 16794313740 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which article of the Constitution of India bestows upon the President the power to grantpardons, reprieves, respites orremissions of punishmentor to suspend, remit or commute the sentence of anyperson convicted of any offence?

Options :

1. ✖ Article 56

2. ✖ Article 71

3. ✔ Article 72

4. ✖ Article 76

Question Number : 27 Question Id : 16794313740 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

भारत के संविधान का कौन सा लेख राष्ट्रपति को किसी भी अपराध के दोषी ठहराए जाने वाले किसी भी व्यक्ति की सजा को निलंबित करने, अनुमोदित करने या आदेश देने के लिए अनुदानदाता, राहत, राहत के आदेशों को राहत देने की शक्ति प्रदान करता है?

Options :

1. ✖ अनुच्छेद 56

2. ✖ अनुच्छेद 71

3. ✔ अनुच्छेद 72

4. ✖ अनुच्छेद 76

Question Number : 28 Question Id : 16794313741 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Under his/her _____ power, the speaker of Lok Sabha can ask a member of the house to yield the floor, that is, stop speaking and let another member speak.

Options :

1. ✔ Regulatory

2. ✖ Supervisory

3. ✖ Executive

4. ✖ Miscellaneous

Question Number : 28 Question Id : 16794313741 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अपनी _____ शक्ति के तहत, लोकसभा के अध्यक्ष सभा के सदस्य से सामंजस्य बनाये रखने के लिए एक सदस्य को चुप रहने के लिए तथा दुसरे सदस्य को बोलने के लिए कह सकते हैं।

Options :

1. ✔ नियामक

2. ✖ सुपरवाइज़री

3. ✖ कार्यकारी अधिकारी

4. ✖ कई तरह की

Question Number : 29 Question Id : 16794313742 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following statements regarding 'Ayushman Bharat – National Health Protection Mission' is NOT correct?

Options :

1. ✖ The scheme has the benefit cover of ₹ 5 lakh per beneficiary family per year.

2. ✖ Will subsume the on-going centrally sponsored schemes – Rashtriya Swasthya BimaYojana (RSBY) and the Senior Citizen Health Insurance Scheme (SCHIS).

3. ✖ A beneficiary covered under the scheme will be allowed to take cashless benefits from any public/private empaneled hospitals across the country.

4. ✔ The beneficiaries can avail benefits in only government / public hospitals.

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Question Number : 29 Question Id : 16794313742 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'आयुष भारत - राष्ट्रीय स्वास्थ्य संरक्षण मिशन' के संबंध में निम्नलिखित में से कौन सा कथन सही नहीं है?

Options :

1. ✖ प्रति वर्ष प्रत्येक लाभार्थी प्रति परिवार को इस योजना में 5 लाख रुपये का लाभ कवर है।

2. ✖ राष्ट्रीय स्वास्थ्य बीमा योजना (आरएसबीवाई) और वरिष्ठ नागरिक स्वास्थ्य बीमा योजना (एससीएचआईएस) - चल रही केंद्रीय प्रायोजित योजनाओं को जारी रखेगी।

3. ✖ इस योजना के तहत कवर लाभार्थी को देश भर के किसी भी सार्वजनिक / निजी सूचीबद्ध अस्पतालों से नकद रहित लाभ लेने की अनुमति दी जाएगी।

4. ✔ लाभार्थी केवल सरकारी / सार्वजनिक अस्पतालों में लाभ उठा सकते हैं।

Question Number : 30 Question Id : 16794313743 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

How many banks were nationalized by the Indian government in the year 1969?

Options :

1. ✖ 12

2. ✖ 10

3. ✔ 14

4. ✖ 19

Question Number : 30 Question Id : 16794313743 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

1969 में भारत सरकार द्वारा कितने बैंकों को राष्ट्रीयकृत किया गया था?

Options :

1. ✖ 12

2. ✖ 10

3. ✔ 14

4. ✖ 19

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Question Number : 31 Question Id : 16794313744 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Where is the UNESCO World Heritage Site, Hampi, located?

Options :

1. ✔ Karnataka

2. ✖ Andhra Pradesh

3. ✖ Telangana

4. ✖ Tamil Nadu

Question Number : 31 Question Id : 16794313744 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

UNESCO की विश्व धरोहर स्थल, हम्पी कहां स्थित है?

Options :

1. ✔ कर्नाटक

2. ✖ आंध्र प्रदेश

3. ✖ तेलंगाना

4. ✖ तमिलनाडु

Question Number : 32 Question Id : 16794313745 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Where is the famous 'Sangai Festival' celebrated?

Options :

1. ✖ Arunachal Pradesh

2. ✖ Nagaland

3. ✔ Manipur

4. ✖ Assam

Question Number : 32 Question Id : 16794313745 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Correct Marks : 1 Wrong Marks : 0.25

प्रसिद्ध 'सांगई फेस्टिवल' कहां मनाया जाता है?

Options :

1. ✖ अरुणाचल प्रदेश

2. ✖ नगालैंड

3. ✔ मणिपुर

4. ✖ असम

Question Number : 33 Question Id : 16794313746 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'Warli' painting belongs to which of the following states?

Options :

1. ✖ Chhattisgarh

2. ✖ Bihar

3. ✖ Gujarat

4. ✔ Maharashtra

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Question Number : 33 Question Id : 16794313746 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'वारली' पेंटिंग निम्नलिखित राज्यों में से किस से संबंधित है?

Options :

1. ✖ छत्तीसगढ़

2. ✖ बिहार

3. ✖ गुजरात

4. ✔ महाराष्ट्र

Question Number : 34 Question Id : 16794313747 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Who won the World Badminton Championship (in the Women's Category) held in Nanjing in August 2018?

Options :

1. ✖ Saina Nehwal

2. ✖ P.V. Sindhu

3. ✔ Carolina Marin

4. ✖ Aparna Popat

Question Number : 34 Question Id : 16794313747 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगस्त 2018 में नानजिंग में आयोजित विश्व बैडमिंटन चैंपियनशिप (महिला श्रेणी में) किसने जीता?

Options :

1. ✖ साइना नेहवाल

2. ✖ पी.वी. सिंधु

3. ✔ कैरोलिना मैरिन

4. ✖ अपर्णा पोपट

Question Number : 35 Question Id : 16794313748 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which committee has been set by the Sports Ministry to suggest measures to tackle the menace of doping in the country?

Options :

1. ✖ Injeti Srinivas Committee

2. ✖ Rajyavardhan Rathore Committee

3. ✔ Mukul Mudgal Committee

4. ✖ S. Bindra Committee

Question Number : 35 Question Id : 16794313748 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

देश में डोपिंग के खतरे से निपटने के उपायों का सुझाव देने के लिए खेल मंत्रालय ने कौन सी समिति स्थापित की है?

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Options :

1. ✖ इंजेती श्रीनिवास समिति

2. ✖ राज्यवर्धन राठौर समिति

3. ✔ मुकुल मुद्गल समिति

4. ✖ एस. बिंद्रा समिति

Question Number : 36 Question Id : 16794313749 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

With increase in altitude, atmospheric pressure _____.

Options :

1. ✔ decreases

2. ✖ increases

3. ✖ remains constant

4. ✖ first increases, then decreases and keeps fluctuating

Question Number : 36 Question Id : 16794313749 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

ऊंचाई में वृद्धि के साथ, वायुमंडलीय दबाव _____।

Options :

1. ✔ कम हो जाती है

2. ✖ बढ़ती है

3. ✖ स्थिर रहता है

4. ✖ पहले बढ़ता है, फिर घटता है और उतार-चढ़ाव करता रहता है

Question Number : 37 Question Id : 16794313750 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

When is the International Youth Day observed by the United Nations?

Options :

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1. ✖ 8 March

2. ✔ 12 August

3. ✖ 5 September

4. ✖ 11 July

Question Number : 37 Question Id : 16794313750 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

संयुक्त राष्ट्र द्वारा अंतर्राष्ट्रीय युवा दिवस कब मनाया जाता है?

Options :

1. ✖ 8 मार्च

2. ✔ 12 अगस्त

3. ✖ 5 सितंबर

4. ✖ 11 जुलाई

Question Number : 38 Question Id : 16794313751 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Who has been appointed as the Chief Operating Officer (COO) of ICICI Bank?

Options :

1. ✖ Ms. Arundhati Bhattacharya

2. ✖ Mr. K. V. Kamath

3. ✖ Ms. Naina Lal Kidwai

4. ✔ Mr. Sandeep Bakhshi

Question Number : 38 Question Id : 16794313751 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

आई.सी.आई.सी.आई बैंक के चीफ ऑपरेटिंग ऑफिसर (सी.ओ.ओ.) के रूप में किसे नियुक्त किया गया है?

Options :

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1. ✖ सुश्री. अरुंधती भट्टाचार्य

2. ✖ श्री. के. वी. कामथ

3. ✖ सुश्री. नैना लाल किडवाई

4. ✔ श्री. संदीप बख्शी

Question Number : 39 Question Id : 16794313752 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Where was the 105th Indian Science Congress held in March 2018?

Options :

1. ✔ Manipur Central University, Imphal

2. ✖ S.V. University, Tirupati

3. ✖ Lovely Professional University, Phagwara

4. ✖ University of Jammu, Jammu

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Question Number : 39 Question Id : 16794313752 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

मार्च 2018 में 105वें भारतीय विज्ञान कांग्रेस कहां आयोजित हुई थी?

Options :

1. ✔ मणिपुर सेंट्रल विश्वविद्यालय, इम्फाल

2. ✖ एस.वी. विश्वविद्यालय, तिरुपति

3. ✖ लवली प्रोफेशनल विश्वविद्यालय, फागवारा

4. ✖ जम्मू विश्वविद्यालय, जम्मू

Question Number : 40 Question Id : 16794313753 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Section 497 of the Indian Penal Code (OPC), that has been in news recently, is about:

Options :

1. ✖ murder

2. ✖ rape of minors

3. ✔ adultery

4. ✖ crime against people with mental disorders

Question Number : 40 Question Id : 16794313753 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

भारतीय दंड संहिता (ओ.पी.सी.) की धारा 497, जो हाल ही में खबरों में है, इस बारे में है:

Options :

1. ✖ हत्या

2. ✖ नाबालिगों के बलात्कार

3. ✔ व्यभिचार

4. ✖ मानसिक विकार वाले लोगों के खिलाफ अपराध

Arithmetic Ability

Group Number :	3
Group Id :	167943456
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20
Revisit allowed for group Instructions? :	Yes
Maximum Instruction Time:	0
Minimum Instruction Time:	0

Arithmetic Ability

Section Id :	167943521
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	18
Number of Questions to be attempted:	18

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Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	167943864
Question Shuffling Allowed :	Yes

Question Number : 41 Question Id : 16794313754 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The value of $\frac{(26.5+16.3)^2-(26.5-16.3)^2}{(26.5\times16.3)}$ is equal to:

Options :

1. ✖ 2

2. ✔ 4

3. ✖ 20

4. ✖ 40

Question Number : 41 Question Id : 16794313754 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

समीकरण $\frac{(26.5+16.3)^2-(26.5-16.3)^2}{(26.5\times16.3)}$ का मान किसके बराबर होगा?

Options :

1. ✖ 2

2. ✔ 4

3. ✖ 20

4. ✖ 40

Question Number : 42 Question Id : 16794313755 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The value of $\left[5-1\frac{2}{9}of3\frac{3}{11}\div\frac{36}{7}of\frac{7}{9}\right]\div\frac{4}{3}$ is:

Options :

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1. ✖ $\frac{1}{2}$

2. ✖ $\frac{1}{3}$

3. ✖ 2

4. ✔ 3

Question Number : 42 Question Id : 16794313755 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

समीकरण $\left[5-1\frac{2}{9}of3\frac{3}{11}\div\frac{36}{7}of\frac{7}{9}\right]\div\frac{4}{3}$ का मान किसके बराबर होगा?

Options :

1. ✖ $\frac{1}{2}$

2. ✖ $\frac{1}{3}$

3. ✖ 2

4. ✔ 3

Question Number : 43 Question Id : 16794313756 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The LCM and HCF of two numbers are 588 and 14 respectively. How many such pairs of numbers are possible?

Options :

1. ✖ 2

2. ✖ 3

3. ✔ 4

4. ✖ 5

Question Number : 43 Question Id : 16794313756 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

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दो नंबरों का लघुत्तम समापवर्त्य और महत्तम समापवर्तक क्रमशः 588 और 14 हैं। संख्याओं के कितने जोड़े संभव हैं?

Options :

1. ✖ 2

2. ✖ 3

3. ✔ 4

4. ✖ 5

Question Number : 44 Question Id : 16794313757 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Three numbers are in the ratio 4 : 5 : 7 and their LCM is 3360. What is the HCF of these numbers?

Options :

1. ✖ 12

2. ✔ 24

3. ✖ 28

4. ✖ 32

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Question Number : 44 Question Id : 16794313757 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

तीन संख्याएं 4 : 5 : 7 के अनुपात में हैं और उनका लघुत्तम समापवर्त्य 3360 है। इन संख्याओं का महत्तम समापवर्तक क्या होगा?

Options :

1. ✖ 12

2. ✔ 24

3. ✖ 28

4. ✖ 32

Question Number : 45 Question Id : 16794313758 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The difference between third proportion and mean proportion of 1.2 and 2.7 is:

Options :

1. ✔ 4.275

2. ✖ 4.175

3. ✖ 3.925

4. ✖ 3.975

Question Number : 45 Question Id : 16794313758 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

1.2 और 2.7 के तीसरे अनुपात और औसत अनुपात के बीच का अंतर कितना होगा?

Options :

1. ✔ 4.275

2. ✖ 4.175

3. ✖ 3.925

4. ✖ 3.975

Question Number : 46 Question Id : 16794313759 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The ratio between two numbers is 5 : 7. If first number is increased by 5 and second number is increased by 8, the ratio becomes 7 : 10. What is the sum of digits of the bigger number?

Options :

1. ✖ 5

2. ✔ 6

3. ✖ 7

4. ✖ 8

Question Number : 46 Question Id : 16794313759 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

दो संख्याओं के बीच अनुपात 5 : 7 है। यदि पहली संख्या को 5 बढ़ा दिया जाता है और दूसरी संख्या 8 बढ़ा दिया जाता है, तो उनके बीच का अनुपात 7 : 10 हो जाता है। बड़ी संख्या के अंकों का योग कितना होगा?

Options :

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1. ✖ 5

2. ✔ 6

3. ✖ 7

4. ✖ 8

Question Number : 47 Question Id : 16794313760 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Each side of a triangle in increased by 50%. What is the percent increase in its area?

Options :

1. ✖ 50%

2. ✔ 125%

3. ✖ 150%

4. ✖ 225%

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Question Number : 47 Question Id : 16794313760 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक त्रिकोण के प्रत्येक भुजा में 50% की वृद्धि की गई है। इसके क्षेत्र में कितने प्रतिशत वृद्धि होगी?

Options :

1. ✖ 50%

2. ✔ 125%

3. ✖ 150%

4. ✖ 225%

Question Number : 48 Question Id : 16794313761 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A person spends 80% of his income. If his income is increased by 20% and he wants to increase his savings by 50%, by what percent he increase his expenditure?

Options :

1. ✔ 12.5%

2. ✖ 15%

3. ✖ 17.5%

4. ✖ 20%

Question Number : 48 Question Id : 16794313761 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक व्यक्ति अपनी आय का 80% खर्च कर देता है। यदि उसकी आय में 20% की वृद्धि हो जाती है और वह अपनी बचत में 50% तक वृद्धि करना चाहता है, तो उसे अपना व्यय कितने प्रतिशत बढ़ाना चाहिए?

Options :

1. ✔ 12.5%

2. ✖ 15%

3. ✖ 17.5%

4. ✖ 20%

Question Number : 49 Question Id : 16794313762 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Two articles A and B are sold for ₹ 2240 and ₹ 2300 respectively. If on A, there is a profit of 12% and on B, there is a profit of 15%, what is the overall profit percent on both articles?

Options :

1. ✖ 12.5%

2. ✔ 13.5%

3. ✖ 14%

4. ✖ 14.5%

Question Number : 49 Question Id : 16794313762 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

दो वस्तुएं A और B क्रमश: ₹ 2240 और ₹ 2300 पर बेची जाती हैं। यदि A पर लाभ 12% और B पर लाभ 15% होता है, तो दोनों वस्तुओं पर कुल कितने प्रतिशत लाभ होगा?

Options :

1. ✖ 12.5%

2. ✔ 13.5%

3. ✖ 14%

4. ✖ 14.5%

Question Number : 50 Question Id : 16794313763 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The simple interest on a certain sum is $\frac{9}{25}$ of itself. If time in years and rate of interest per year are same, what is the rate of interest per annum?

Options :

1. ✖ 4%

2. ✖ 5%

3. ✔ 6%

4. ✖ 8%

Question Number : 50 Question Id : 16794313763 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक निश्चित धनराशि पर साधारण ब्याज उसका $\frac{9}{25}$ है। यदि समय वर्षों में और प्रति वर्ष ब्याज दर समान है, तो ब्याज दर प्रति वर्ष क्या होगी?

Options :

1. ✖ 4%

2. ✖ 5%

3. ✔ 6%

4. ✖ 8%

Question Number : 51 Question Id : 16794313764 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If the compound interest on a certain sum for 3 years at 10% per annum is ₹ 13310, what will be the simple interest on the same sum for 2 years at 5% per annum?

Note: For this question, discrepancy is found in question/answer. So,this question is ignored for all candidates.

Options :

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1. ₹ 1000

2. ₹ 1250

3. ₹ 1500

4. ₹ 1550

Question Number : 51 Question Id : 16794313764 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

किसी धनराशि पर 10% वार्षिक दर से 3 वर्ष के लिए चक्रवृद्धि ब्याज ₹ 13310 है। तो उसी धनराशि पर 2 वर्ष के लिए 5% वार्षिक दर से साधारण ब्याज कितना होगा?

Note: For this question, discrepancy is found in question/answer. So,this question is ignored for all candidates.

Options :

1. ₹ 1000

2. ₹ 1250

3. ₹ 1500

4. ₹ 1550

Question Number : 52 Question Id : 16794313765 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

How many revolutions will the wheel of a bicycle of router radius 35 cm will make to cover a distance of 2.2 km?

(take $\pi = \frac{22}{7}$)

Options :

1. ✖ 800

2. ✖ 900

3. ✔ 1000

4. ✖ 1100

Question Number : 52 Question Id : 16794313765 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

2.2 km की दूरी तय करने के लिए 35 cm अनुर्मागक (राउटर) त्रिज्या वाली साइकिल के पहिए को कितनी चक्कर लगाने होंगे? ($\pi = \frac{22}{7}$ लीजिए)

Options :

1. ✖ 800

2. ✖ 900

3. ✔ 1000

4. ✖ 1100

Question Number : 53 Question Id : 16794313766 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The length, breadth and height of auditorium are 30 m, 20 m and 8 m respectively. If a person needs 0.7 m^2 area to sit and 4.8 m^2 air apace to breath, how many people can be seated in the auditorium?

Options :

1. ✖ 1000

2. ✖ 858

3. ✔ 857

4. ✖ 856

Question Number : 53 Question Id : 16794313766 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

किसी सभागार की लंबाई, चौड़ाई और ऊंचाई क्रमश: 30 m, 20 m और 8 m है। यदि किसी व्यक्ति को बैठने के लिए 0.7 m^2 क्षेत्र और सांस लेने के लिए 4.8 m^2 हवाई क्षेत्र की आवश्यकता होती है, तो सभागार में कितने लोग बिठाए जा सकते हैं?

Options :

1. ✖ 1000

2. ✖ 858

3. ✔ 857

4. ✖ 856

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Question Number : 54 Question Id : 16794313767 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Two trains of length 270 m and 360 m are running on parallel tracks in same direction with respective speeds of 50 km/h and 86 km/h. In how many seconds will the train running faster cross a person sitting in the slower train?

Options :

1. ✖ 27

2. ✔ 36

3. ✖ 54

4. ✖ 63

Question Number : 54 Question Id : 16794313767 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

270 m और 360 m लंबाई की दो ट्रेनें समानांतर पटरी पर एक ही दिशा में क्रमशः 50 km/h और 86 km/h से चल रही हैं। धीमी रेलगाड़ी में बैठे एक व्यक्ति को तेज चल रही रेलगाड़ी कितने सेकंड पार कर लेगी?

Options :

1. ✖ 27

2. ✔ 36

3. ✖ 54

4. ✖ 63

Question Number : 55 Question Id : 16794313768 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A boat covers a distance of 12 km upstream and 14 km downstream in 6 hours. It also covers a distance of 9 km upstream and 7 km downstream in 4 hours. What is the speed of boat in still water in km/h?

Options :

1. ✖ 4

2. ✖ 4.5

3. ✔ 5

4. ✖ 5.5

Question Number : 55 Question Id : 16794313768 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Correct Marks : 1 Wrong Marks : 0.25

एक नाव धारा के विपरीत 12 km दूरी और धारा की दिशा में 14 km की दूरी 6 घंटे में तय करती है। यह धारा के विपरीत 9 km दूरी और धारा की दिशा में 7 km की दूरी भी 4 घंटे में तय करती है। शांत जल में नाव की गति km/h में कितनी होगी?

Options :

1. ✖ 4

2. ✖ 4.5

3. ✔ 5

4. ✖ 5.5

Question Number : 56 Question Id : 16794313769 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A does 20% less work than B. If A can complete a certain piece of work in 30 days, then A and B working together will complete the same work in how many days?

Options :

1. ✖ $\frac{38}{3}$

2. ✔ $\frac{40}{3}$

3. ✖ $\frac{42}{3}$

4. ✖ $\frac{44}{3}$

Question Number : 56 Question Id : 16794313769 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A B से 20% कम काम करता है। यदि A किसी काम के कुछ हिस्से को 30 दिनों में पूरा कर सकता है, तब A और B उसी काम को कितने दिनों में पूरा करेंगे?

Options :

1. ✖ $\frac{38}{3}$

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2. ✔ $\frac{40}{3}$

3. ✖ $\frac{42}{3}$

4. ✖ $\frac{44}{3}$

Question Number : 57 Question Id : 16794313770 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A tap can fill a tank in 10 hours. After half the tank is filled, three more similar taps are opened. In how many hours the tank will be filled?

Options :

1. ✔ $6\frac{1}{4}$

2. ✖ $6\frac{1}{5}$

3. ✖ $6\frac{1}{2}$

4. ✖ $6\frac{3}{4}$

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Question Number : 57 Question Id : 16794313770 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक नल किसी टैंक को 10 घंटे में भर सकता है। टैंक के आधे भरने के बाद तीन और समान नल खोल दिए जाते हैं। अब टैंक कितने घंटे भर जाएगा?

Options :

1. ✔ $6\frac{1}{4}$

2. ✖ $6\frac{1}{5}$

3. ✖ $6\frac{1}{2}$

4. ✖ $6\frac{3}{4}$

Sub-Section Number: 2
Sub-Section Id: 167943865
Question Shuffling Allowed : Yes

Question Id : 16794313771 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (58 to 60)

Question Label : Comprehension

Study the table below that gives the number of male and female students in different subjects in a university and answer the following three questions.

Subjects	Male	Female
Science	984	1148
Maths	738	984
Commerce	1230	738
Economics	410	574
Humanities	656	738

Sub questions

Question Number : 58 Question Id : 16794313772 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

What is the percentage of total students who are studying Science?

Options :

1. ✖ 21%

2. ✖ 23%

3. ✔ 26%

4. ✖ 27%

Question Number : 59 Question Id : 16794313773 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In which subject the percentage of girls is highest?

Options :

1. ✖ Science

2. ✖ Maths

3. ✔ Economics

4. ✖ Humanities

Question Number : 60 Question Id : 16794313774 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

What is the percentage of boys studying in the university (give answer correct upto two decimal places)?

Options :

1. ✖ 48.82%

2. ✔ 49.00%

3. ✖ 49.01%

4. ✖ 49.02%

Question Id : 16794313771 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (58 to 60)

Question Label : Comprehension

नीचे दी गई तालिका का अध्ययन करें जो विश्वविद्यालय में विभिन्न विषयों में पुरुष और महिला छात्रों की संख्या बताता है और उसी अनुसार निम्नलिखित तीन प्रश्नों का उत्तर दें।

विषय	पुरुष	महिला
विज्ञान	984	1148
गणित	738	984
वाणिज्य	1230	738
अर्थशास्त्र	410	574
मानविकी	656	738

Sub questions

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Question Number : 58 Question Id : 16794313772 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

विज्ञान की पढ़ाई कर रहे कुल छात्रों का प्रतिशत कितना है?

Options :

1. ✖ 21%

2. ✖ 23%

3. ✔ 26%

4. ✖ 27%

Question Number : 59 Question Id : 16794313773 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

किस विषय में लड़कियों का प्रतिशत सबसे ज्यादा है?

Options :

1. ✖ विज्ञान

2. ✖ गणित

3. ✔ अर्थशास्त्र

4. ✖ मानविकी

Question Number : 60 Question Id : 16794313774 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

विश्वविद्यालय में पढ़ रहे लड़कों (पुरुष छात्रों) का प्रतिशत कितना है (दो दशमलव स्थानों तक सही उत्तर दें)?

Options :

1. ✖ 48.82%

2. ✔ 49.00%

3. ✖ 49.01%

4. ✖ 49.02%

General English

Group Number :	4
Group Id :	167943457
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20
Revisit allowed for group Instructions? :	Yes
Maximum Instruction Time:	0
Minimum Instruction Time:	0

General English

Section Id :	167943522
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	16
Number of Questions to be attempted:	16
Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	167943866
Question Shuffling Allowed :	Yes

Question Number : 61 Question Id : 16794313775 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Identify the most appropriate sentence order from the options given below.

Options :

1. ✖ Last night the children danced at the school annual function beautifully.

2. ✖ The children danced at the school annual function beautifully last night.

3. ✔ The children danced beautifully at the school annual function last night.

4. ✖ The children beautifully danced last night at the school annual function

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Question Number : 61 Question Id : 16794313775 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Identify the most appropriate sentence order from the options given below.

Options :

1. ✖ Last night the children danced at the school annual function beautifully.

2. ✖ The children danced at the school annual function beautifully last night.

3. ✔ The children danced beautifully at the school annual function last night.

4. ✖ The children beautifully danced last night at the school annual function

Question Number : 62 Question Id : 16794313776 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Identify the most appropriate sentence order from the options given below.

Options :

1. ✖ We went home last month four times.

2. ✖ Four times last month we went home.

3. ✖ Last month four times we went home.

4. ✔ We went home four times last month.

Question Number : 62 Question Id : 16794313776 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Identify the most appropriate sentence order from the options given below.

Options :

1. ✖ We went home last month four times.

2. ✖ Four times last month we went home.

3. ✖ Last month four times we went home.

4. ✔ We went home four times last month.

Question Number : 63 Question Id : 16794313777 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Identify the most appropriate sentence order from the options given below.

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Options :

1. ✖ She tore my letter into two halves neatly, which was very unfortunate.

2. ✖ She tore neatly into two halves my letter, which was very unfortunate.

3. ✔ She tore my letter neatly into two halves, which was very unfortunate.

4. ✖ Which was very unfortunate, she tore my letter neatly into two halves.

Question Number : 63 Question Id : 16794313777 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Identify the most appropriate sentence order from the options given below.

Options :

1. ✖ She tore my letter into two halves neatly, which was very unfortunate.

2. ✖ She tore neatly into two halves my letter, which was very unfortunate.

3. ✔ She tore my letter neatly into two halves, which was very unfortunate.

4. ✖ Which was very unfortunate, she tore my letter neatly into two halves.

Question Number : 64 Question Id : 16794313778 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the most appropriate grammatical sentence from the given options.

Options :

1. ✔ Does she have a pet dog? Yes, she does.

2. ✖ Does she has a pet dog? Yes, she does.

3. ✖ Do she have a pet dog? Yes, she do.

4. ✖ Do she have a pet dog? Yes, she did.

Question Number : 64 Question Id : 16794313778 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the most appropriate grammatical sentence from the given options.

Options :

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1. ✔ Does she have a pet dog? Yes, she does.

2. ✖ Does she has a pet dog? Yes, she does.

3. ✖ Do she have a pet dog? Yes, she do.

4. ✖ Do she have a pet dog? Yes, she did.

Question Number : 65 Question Id : 16794313779 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Fill in the blank with the most appropriate option.

The police resorted to lathi charge because the crowd outside the theatre _____ massive and rebellious.

Options :

1. ✔ was

2. ✖ were

3. ✖ are

4. ✖ been

Question Number : 65 Question Id : 16794313779 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Fill in the blank with the most appropriate option.

The police resorted to lathi charge because the crowd outside the theatre _____ massive and rebellious.

Options :

1. ✔ was

2. ✖ were

3. ✖ are

4. ✖ been

Question Number : 66 Question Id : 16794313780 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the most appropriate grammatical sentence from the given options.

Options :

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1. ✖ We will revert back to our preliminary plan as soon as possible.

2. ✖ We will revert back our preliminary plan as soon as possible.

3. ✔ We shall revert to our preliminary plan as soon as possible.

4. ✖ We shall be reverted to our preliminary plan as soon as possible.

Question Number : 66 Question Id : 16794313780 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the most appropriate grammatical sentence from the given options.

Options :

1. ✖ We will revert back to our preliminary plan as soon as possible.

2. ✖ We will revert back our preliminary plan as soon as possible.

3. ✔ We shall revert to our preliminary plan as soon as possible.

4. ✖ We shall be reverted to our preliminary plan as soon as possible.

Question Number : 67 Question Id : 16794313781 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the grammatically incorrect statement from the following options.

Options :

1. ✖ A number of people were present at the gathering to support the new president

2. ✖ The number of people we wanted was five hundred

3. ✔ A number of people was held up due to traffic

4. ✖ The number of people here right now has definitely doubled after the speech

Question Number : 67 Question Id : 16794313781 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the grammatically incorrect statement from the following options.

Options :

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1. ✖ A number of people were present at the gathering to support the new president

2. ✖ The number of people we wanted was five hundred

3. ✔ A number of people was held up due to traffic

4. ✖ The number of people here right now has definitely doubled after the speech

Question Number : 68 Question Id : 16794313782 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the correct form of active voice for the below passive voice sentence.

My room is being redecorated by a very talented interior designer.

Options :

1. ✖ My room is redecorated by a very talented interior designer.

2. ✖ A very talented interior designer is been redecorating my room.

3. ✖ A very talented interior designer was redecorating my room.

4. ✔ A very talented interior designer is redecorating my room.

Question Number : 68 Question Id : 16794313782 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the correct form of active voice for the below passive voice sentence.

My room is being redecorated by a very talented interior designer.

Options :

1. ✖ My room is redecorated by a very talented interior designer.

2. ✖ A very talented interior designer is been redecorating my room.

3. ✖ A very talented interior designer was redecorating my room.

4. ✔ A very talented interior designer is redecorating my room.

Question Number : 69 Question Id : 16794313783 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

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Choose the correct form of passive voice for the below active voice sentence.

Did she identify you after all these years?

Options :

1. ✖ She was identified by you after all these years?

2. ✖ You were identified by her after all these years?

3. ✔ Were you identified by her after all these years?

4. ✖ Was she identified by you after all these years?

Question Number : 69 Question Id : 16794313783 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the correct form of passive voice for the below active voice sentence.

Did she identify you after all these years?

Options :

1. ✖ She was identified by you after all these years?

2. ✖ You were identified by her after all these years?

3. ✔ Were you identified by her after all these years?

4. ✖ Was she identified by you after all these years?

Question Number : 70 Question Id : 16794313784 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Fill in the blanks below with the most appropriate option.

Is it true she actually _____ tea ____ coffee?

Options :

1. ✖ prefer, than

2. ✖ prefers, than

3. ✖ prefer, to

4. ✔ prefers, to

Question Number : 70 Question Id : 16794313784 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Fill in the blanks below with the most appropriate option.

Is it true she actually _____ tea ____ coffee?

Options :

1. ✖ prefer, than

2. ✖ prefers, than

3. ✖ prefer, to

4. ✔ prefers, to

Question Number : 71 Question Id : 16794313785 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the correct statement/statements from the options given below.

i) I would rather you meet me at my office.
ii) I would rather you met me at my office.
iii) I would rather you didn't share this conversation with anybody else.
iv) I would rather you don't share this conversation with anybody else.

Options :

1. ✖ i & iii

2. ✖ i & iv

3. ✔ ii & iii

4. ✖ ii & iv

Question Number : 71 Question Id : 16794313785 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

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Choose the correct statement/statements from the options given below.

i) I would rather you meet me at my office.
ii) I would rather you met me at my office.
iii) I would rather you didn't share this conversation with anybody else.
iv) I would rather you don't share this conversation with anybody else.

Options :

1. ✖ i & iii

2. ✖ i & iv

3. ✔ ii & iii

4. ✖ ii & iv

Question Number : 72 Question Id : 16794313786 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Fill in the blanks below with the most appropriate option.

She _____ in that college ___ last April

Options :

1. ✖ has been working, for

2. ✖ have been working, for

3. ✔ has been working, since

4. ✖ have been working, since

Question Number : 72 Question Id : 16794313786 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Fill in the blanks below with the most appropriate option.

She _____ in that college ___ last April

Options :

1. ✖ has been working, for

2. ✖ have been working, for

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3. ✔ has been working, since

4. ✖ have been working, since

Question Number : 73 Question Id : 16794313787 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Fill in the blanks below with the most appropriate option.

If the teachers _____the exam, the students _____ to the authorities.

Options :

1. ✖ does not conduct, would have come and complained

2. ✔ do not conduct, will come and complain

3. ✖ will not conduct, come and complain

4. ✖ did not conduct, will come and complain

Question Number : 73 Question Id : 16794313787 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Fill in the blanks below with the most appropriate option.

If the teachers _____the exam, the students _____ to the authorities.

Options :

1. ✖ does not conduct, would have come and complained

2. ✔ do not conduct, will come and complain

3. ✖ will not conduct, come and complain

4. ✖ did not conduct, will come and complain

Question Number : 74 Question Id : 16794313788 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Fill in the blanks below with the most appropriate option.

If you _____ for the movie, you _____ your homework first.

Options :

1. ✖ are going, will finish

2. ✖ will be gone , would finish

3. ✖ have gone, will finish

4. ✔ are going, should finish

Question Number : 74 Question Id : 16794313788 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Fill in the blanks below with the most appropriate option.

If you _____ for the movie, you _____ your homework first.

Options :

1. ✖ are going, will finish

2. ✖ will be gone , would finish

3. ✖ have gone, will finish

4. ✔ are going, should finish

Question Number : 75 Question Id : 16794313789 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Fill in the blank below with the most appropriate option.

This is a school. You _____smoke here.

Options :

1. ✖ couldn't

2. ✖ wouldn't

3. ✔ mustn't

4. ✖ won't

Question Number : 75 Question Id : 16794313789 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

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Fill in the blank below with the most appropriate option.

This is a school. You _____smoke here.

Options :

1. ✖ couldn't

2. ✖ wouldn't

3. ✔ mustn't

4. ✖ won't

Sub-Section Number:	2
Sub-Section Id:	167943867
Question Shuffling Allowed :	Yes

Question Id : 16794313790 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (76 to 80)

Question Label : Comprehension

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Read the following passages and answer the questions.

The big picture: in pursuit of Icarus under the big top
Peter Conrad, The Guardian

Seen from above, the big top at the Cirque d'Hiver in Paris resembles a compact, scaled-down cosmos – a metaphysical arena. Spectators seated in circles stare up at trapeze artists who, as Pascal Jacob puts it in his new book, *The Circus: A Visual History*, re-enact the mythical flight of Icarus and hope to demonstrate that grounded human beings can enjoy the aerodynamic privileges of the gods.

The name says it all: a circus is about wheeling around in circles, as the Earth does in its daily routine or as your dizzy head may do while you watch acrobats vault through space like weightless projectiles or flaming comets. But at least the Earth spins reliably on its axis, held in orbit by its gravitational ties to the sun; viewed here from a sickeningly vertical angle, space has an unexpected terror. We could be gazing into the gullet of a cannon from which the aerialists were fired. Or are we peering down one of the wormholes imagined by physicists – chutes that can send us plunging between worlds?

Nowadays, a drone would be sent to capture this image, with no risk of light-headed, stomach-churning panic. In 1969, a nameless photographer clambered up those shaky rope ladders and balanced there precariously to show us we're suspended in the vast, draughty universe. A safety net is stretched far below to catch the bodies of the two high flyers if they fall; the mind, unsettled by a vertigo of its own as it surveys the void, has no such protection.

Sub questions

Question Number : 76 Question Id : 16794313791 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

Through the depiction of circus in the passage, the author establishes a mood wherein the reader would

Options :

1. ✖ Analyse the dangers involved in circus

2. ✖ Compare safety measures in circus from the past and in present

3. ✔ Ponder over the marvels of circus and its aerodynamic adventures

4. ✖ See the underlying similarity between circus artists and Icarus.

Question Number : 77 Question Id : 16794313792 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The word that least closely refers to 'metaphysical' in the options given below is:

Options :

1. ✖ Abstruse

2. ✖ Esoteric

3. ✖ Mystical

4. ✔ Concrete

Question Number : 78 Question Id : 16794313793 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In the context of the passage, the allusion to 'the mythical flight of Icarus' is meant to show that:

Options :

1. ✖ Circus is about wheeling round in circles without the reliability of an axis.

2. ✔ In circus, human beings can enjoy the flying powers of gods even if it is dangerous.

3. ✖ Acrobats could vault through space like weightless projectiles.

4. ✖ Due to modern inventions, circus has become safer and interesting like the flight of Icarus.

Question Number : 79 Question Id : 16794313794 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Based on your reading of the passage, choose the contextual meaning of 'void' that fits the passage the best from the options given below:

Options :

1. ✖ Not valid

2. ✖ Not legally binding

3. ✔ Vacuum

4. ✖ Uninhabited

Question Number : 80 Question Id : 16794313795 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Based on your reading of the passage, choose the correct statement from the options given below.

Options :

1. ✖ Cirque d'Hiver in Paris is a metaphysical arena for circus, which is compact and scaled down in comparison to the larger cosmos but still has dizzying heights.

2. ✔ The terrifying sight of acrobats vaulting through space reminds us that we are also precariously suspended in the cold universe with no protection

3. ✖ It was a nameless photographer who precariously clambered up shaky rope ladders to show the world the sickeningly vertical angle and terror involved in circus.

4. ✖ Pascal Jacob, through his new book *The Circus: A Visual History*, re-enacts the mythical flight of Icarus and hopes to demonstrate that grounded human beings can enjoy the aerodynamic privileges of the gods.

Question Id : 16794313790 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (76 to 80)

Question Label : Comprehension

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Read the following passages and answer the questions.

The big picture: in pursuit of Icarus under the big top
Peter Conrad, The Guardian

Seen from above, the big top at the Cirque d'Hiver in Paris resembles a compact, scaled-down cosmos – a metaphysical arena. Spectators seated in circles stare up at trapeze artists who, as Pascal Jacob puts it in his new book, *The Circus: A Visual History*, re-enact the mythical flight of Icarus and hope to demonstrate that grounded human beings can enjoy the aerodynamic privileges of the gods.

The name says it all: a circus is about wheeling around in circles, as the Earth does in its daily routine or as your dizzy head may do while you watch acrobats vault through space like weightless projectiles or flaming comets. But at least the Earth spins reliably on its axis, held in orbit by its gravitational ties to the sun; viewed here from a sickeningly vertical angle, space has an unexpected terror. We could be gazing into the gullet of a cannon from which the aerialists were fired. Or are we peering down one of the wormholes imagined by physicists – chutes that can send us plunging between worlds?

Nowadays, a drone would be sent to capture this image, with no risk of light-headed, stomach-churning panic. In 1969, a nameless photographer clambered up those shaky rope ladders and balanced there precariously to show us we're suspended in the vast, draughty universe. A safety net is stretched far below to catch the bodies of the two high flyers if they fall; the mind, unsettled by a vertigo of its own as it surveys the void, has no such protection.

Sub questions

Question Number : 76 Question Id : 16794313791 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

Through the depiction of circus in the passage, the author establishes a mood wherein the reader would

Options :

1. ✖ Analyse the dangers involved in circus

2. ✖ Compare safety measures in circus from the past and in present

3. ✔ Ponder over the marvels of circus and its aerodynamic adventures

4. ✖ See the underlying similarity between circus artists and Icarus.

Question Number : 77 Question Id : 16794313792 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The word that least closely refers to 'metaphysical' in the options given below is:

Options :

1. ✖ Abstruse

2. ✖ Esoteric

3. ✖ Mystical

4. ✔ Concrete

Question Number : 78 Question Id : 16794313793 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In the context of the passage, the allusion to 'the mythical flight of Icarus' is meant to show that:

Options :

1. ✖ Circus is about wheeling round in circles without the reliability of an axis.

2. ✔ In circus, human beings can enjoy the flying powers of gods even if it is dangerous.

3. ✖ Acrobats could vault through space like weightless projectiles.

4. ✖ Due to modern inventions, circus has become safer and interesting like the flight of Icarus.

Question Number : 79 Question Id : 16794313794 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Based on your reading of the passage, choose the contextual meaning of 'void' that fits the passage the best from the options given below:

Options :

1. ✖ Not valid

2. ✖ Not legally binding

3. ✔ Vacuum

4. ✖ Uninhabited

Question Number : 80 Question Id : 16794313795 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Based on your reading of the passage, choose the correct statement from the options given below.

Options :

1. ✖ Cirque d'Hiver in Paris is a metaphysical arena for circus, which is compact and scaled down in comparison to the larger cosmos but still has dizzying heights.

2. ✔ The terrifying sight of acrobats vaulting through space reminds us that we are also precariously suspended in the cold universe with no protection

3. ✖ It was a nameless photographer who precariously clambered up shaky rope ladders to show the world the sickeningly vertical angle and terror involved in circus.

4. ✖ Pascal Jacob, through his new book *The Circus: A Visual History*, re-enacts the mythical flight of Icarus and hopes to demonstrate that grounded human beings can enjoy the aerodynamic privileges of the gods.

General Hindi

Group Number :	5
Group Id :	167943458
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0

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Group Marks:	20
Revisit allowed for group Instructions? :	Yes
Maximum Instruction Time:	0
Minimum Instruction Time:	0

General Hindi

Section Id :	167943523
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	20
Number of Questions to be attempted:	20
Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	167943868
Question Shuffling Allowed :	Yes

Question Number : 81 Question Id : 16794313796 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

कौन-से शब्द में 'अनुस्वार ण' में बदला जा सकता है?

Options :

1. ✖ कंगन

2. ✖ मंजुल

3. ✔ कंठित

4. ✖ सुंदर

Question Number : 81 Question Id : 16794313796 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

कौन-से शब्द में 'अनुस्वार ण' में बदला जा सकता है?

Options :

1. ✖ कंगन

2. ✖ मंजुल

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3. ✔ कंठित

4. ✖ सुंदर

Question Number : 82 Question Id : 16794313797 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

मूर्धा से उच्चारित होने वाले सभी वर्ण कौन-से वर्ग में हैं?

Options :

1. ✖ क ख ग

2. ✔ ट ठ ड

3. ✖ त थ द

4. ✖ य र ल

Question Number : 82 Question Id : 16794313797 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

मूर्धा से उच्चारित होने वाले सभी वर्ण कौन-से वर्ग में हैं?

Options :

1. ✖ क ख ग

2. ✔ ट ठ ड

3. ✖ त थ द

4. ✖ य र ल

Question Number : 83 Question Id : 16794313798 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अशुद्ध शब्द कौन-सा है?

Options :

1. ✖ अध्ययन

2. ✔ अनिष्ठ

3. ✖ स्वाभिमान

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4. ✖ सलज्ज

Question Number : 83 Question Id : 16794313798 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अशुद्ध शब्द कौन-सा है?

Options :

1. ✖ अध्ययन

2. ✔ अनिष्ठ

3. ✖ स्वाभिमान

4. ✖ सलज्ज

Question Number : 84 Question Id : 16794313799 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

भाई साहब आते ही होंगे। यह वाक्य किस काल का है?

Options :

1. ✖ सामान्य वर्तमान

2. ✖ अपूर्ण वर्तमान

3. ✔ संदिग्ध वर्तमान

4. ✖ भविष्यत् काल

Question Number : 84 Question Id : 16794313799 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

भाई साहब आते ही होंगे। यह वाक्य किस काल का है?

Options :

1. ✖ सामान्य वर्तमान

2. ✖ अपूर्ण वर्तमान

3. ✔ संदिग्ध वर्तमान

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4. ✖ भविष्यत् काल

Question Number : 85 Question Id : 16794313800 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

रम्धा को नौकरी नहीं करनी। इस वाक्य में कारक है:

Options :

1. ✔ कर्ता

2. ✖ कर्म

3. ✖ करण

4. ✖ अपादान

Question Number : 85 Question Id : 16794313800 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

रम्धा को नौकरी नहीं करनी। इस वाक्य में कारक है:

Options :

1. ✔ कर्ता

2. ✖ कर्म

3. ✖ करण

4. ✖ अपादान

Question Number : 86 Question Id : 16794313801 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'यद्यपि' शब्द में कौन-सी संधि है?

Options :

1. ✖ दीर्घ

2. ✖ गुण

3. ✔ यण्

4. ✖ वृद्धि

Question Number : 86 Question Id : 16794313801 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'यद्यपि' शब्द में कौन-सी संधि है?

Options :

1. ✖ दीर्घ

2. ✖ गुण

3. ✔ यण्

4. ✖ वृद्धि

Question Number : 87 Question Id : 16794313802 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'तिरंगा' शब्द में कौन-सा समास है?

Options :

1. ✖ अव्ययीभाव

2. ✖ तत्पुरुष

3. ✔ द्विगु

4. ✖ कर्मधारय

Question Number : 87 Question Id : 16794313802 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'तिरंगा' शब्द में कौन-सा समास है?

Options :

1. ✖ अव्ययीभाव

2. ✖ तत्पुरुष

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3. ✔ द्विगु

4. ✖ कर्मधारय

Question Number : 88 Question Id : 16794313803 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'प्रत्यक्ष' शब्द में कौन-सा उपसर्ग है?

Options :

1. ✖ प्र

2. ✔ प्रति

3. ✖ परि

4. ✖ प्रा

Question Number : 88 Question Id : 16794313803 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'प्रत्यक्ष' शब्द में कौन-सा उपसर्ग है?

Options :

1. ✖ प्र

2. ✔ प्रति

3. ✖ परि

4. ✖ प्रा

Question Number : 89 Question Id : 16794313804 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'सुनार' शब्द किस प्रत्यय से बना है?

Options :

1. ✖ अ

2. ✖ र

3. ✖ अर

4. ✔ आर

Question Number : 89 Question Id : 16794313804 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'सुनार' शब्द किस प्रत्यय से बना है?

Options :

1. ✖ अ

2. ✖ र

3. ✖ अर

4. ✔ आर

Question Number : 90 Question Id : 16794313805 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

भाववाचक संज्ञा शब्द कौन-सा है?

Options :

1. ✖ तरुण

2. ✔ पौरुष

3. ✖ युवक

4. ✖ आस्तिक

Question Number : 90 Question Id : 16794313805 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

भाववाचक संज्ञा शब्द कौन-सा है?

Options :

1. ✖ तरुण

2. ✔ पौरुष

3. ✖ युवक

4. ✖ आस्तिक

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Question Number : 91 Question Id : 16794313806 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

तत्सम शब्द कौन-सा है?

Options :

1. ✔ शिक्षा

2. ✖ मीत

3. ✖ पूत

4. ✖ जोगी

Question Number : 91 Question Id : 16794313806 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

तत्सम शब्द कौन-सा है?

Options :

1. ✔ शिक्षा

2. ✖ मीत

3. ✖ पूत

4. ✖ जोगी

Question Number : 92 Question Id : 16794313807 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

तदभव शब्द छाँटिए:

Options :

1. ✖ शुष्क

2. ✔ मोती

3. ✖ चैत्र

4. ✖ सूत्र

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Question Number : 92 Question Id : 16794313807 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

तदभव शब्द छाँटिए:

Options :

1. ✖ शुष्क

2. ✔ मोती

3. ✖ चैत्र

4. ✖ सूत्र

Question Number : 93 Question Id : 16794313808 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

"जो इस संसार से बाहर की वस्तु हो" इस वाक्यांश के लिए एक शब्द होगा:

Options :

1. ✖ भौतिक

2. ✖ लौकिक

3. ✔ अलौकिक

4. ✖ अद्भुत

Question Number : 93 Question Id : 16794313808 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

"जो इस संसार से बाहर की वस्तु हो" इस वाक्यांश के लिए एक शब्द होगा:

Options :

1. ✖ भौतिक

2. ✖ लौकिक

3. ✔ अलौकिक

4. ✖ अद्भुत

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Question Number : 94 Question Id : 16794313809 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'आयात' का लिए विलोम शब्द होगा:

Options :

1. ✖ विदेशी

2. ✔ निर्यात

3. ✖ प्रेषित

4. ✖ आदत

Question Number : 94 Question Id : 16794313809 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'आयात' का लिए विलोम शब्द होगा:

Options :

1. ✖ विदेशी

2. ✔ निर्यात

3. ✖ प्रेषित

4. ✖ आदत

Question Number : 95 Question Id : 16794313810 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'शरीर' शब्द का पर्यायवाची नहीं होता है:

Options :

1. ✖ देह

2. ✖ काया

3. ✖ वपु

4. ✔ रिपु

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Question Number : 95 Question Id : 16794313810 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'शरीर' शब्द का पर्यायवाची नहीं होता है:

Options :

1. ✖ देह

2. ✖ काया

3. ✖ वपु

4. ✔ रिपु

Question Number : 96 Question Id : 16794313811 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

मुनि शब्द का बहुवचन (अविभक्तिक) होगा:

Options :

1. ✖ मुनियों

2. ✖ मुनियो

3. ✔ मुनि

4. ✖ मुनिए

Question Number : 96 Question Id : 16794313811 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

मुनि शब्द का बहुवचन (अविभक्तिक) होगा:

Options :

1. ✖ मुनियों

2. ✖ मुनियो

3. ✔ मुनि

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4. ✖ मुनिए

Question Number : 97 Question Id : 16794313812 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

मै शादी में नहीं जाऊंगा। वाक्य में रेखांकित क्रिया है:

Options :

1. ✔ अकर्मक

2. ✖ सकर्मक

3. ✖ प्रेरणार्थक

4. ✖ द्विकर्मक

Question Number : 97 Question Id : 16794313812 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

मै शादी में नहीं जाऊंगा। वाक्य में रेखांकित क्रिया है:

Options :

1. ✔ अकर्मक

2. ✖ सकर्मक

3. ✖ प्रेरणार्थक

4. ✖ द्विकर्मक

Question Number : 98 Question Id : 16794313813 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'काला अक्षर भैंस बराबर' लोकोक्ति का आशय है:

Options :

1. ✔ बिल्कुल अनपढ़

2. ✖ थोडा पढ़ा लिखा

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3. ✖ बहुत पढ़ा-लिखा

4. ✖ अनाड़ी होना

Question Number : 98 Question Id : 16794313813 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'काला अक्षर भैंस बराबर' लोकोक्ति का आशय है:

Options :

1. ✔ बिल्कुल अनपढ़

2. ✖ थोडा पढ़ा लिखा

3. ✖ बहुत पढ़ा-लिखा

4. ✖ अनाड़ी होना

Question Number : 99 Question Id : 16794313814 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'निरुतर हो जाना'। इस अर्थ को व्यक्त करने वाला मुहावरा है:

Options :

1. ✖ बाग-बाग होना

2. ✖ बांछे खिल जाना

3. ✔ बगलें झाँकना

4. ✖ बट्टा लगना

Question Number : 99 Question Id : 16794313814 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'निरुतर हो जाना'। इस अर्थ को व्यक्त करने वाला मुहावरा है:

Options :

1. ✖ बाग-बाग होना

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2. ✖ बांछे खिल जाना

3. ✔ बगलें झाँकना

4. ✖ बट्टा लगना

Question Number : 100 Question Id : 16794313815 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

मैं चला तो जाता लेकिन वह आया ही नहीं। वाकय में समुच्चय बोधक अव्यय है:

Options :

1. ✖ मैं

2. ✖ चला तो जाता

3. ✔ लेकिन

4. ✖ वह आया ही नहीं

Question Number : 100 Question Id : 16794313815 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

मैं चला तो जाता लेकिन वह आया ही नहीं। वाकय में समुच्चय बोधक अव्यय है:

Options :

1. ✖ मैं

2. ✖ चला तो जाता

3. ✔ लेकिन

4. ✖ वह आया ही नहीं

Subject Related

Group Number :	6
Group Id :	167943459
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No

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Break time:	0
Group Marks:	20
Revisit allowed for group Instructions? :	Yes
Maximum Instruction Time:	0
Minimum Instruction Time:	0

Subject Related

Section Id :	167943524
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	20
Number of Questions to be attempted:	20
Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	167943869
Question Shuffling Allowed :	Yes

Question Number : 101 Question Id : 16794313816 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Let $n > 1$ be fixed and a, b, c be arbitrary integers. If $a \equiv b \pmod{n}$, then:

Options :

1. ✖ $a + c \equiv b + c \pmod{n}$ but $ac \not\equiv bc \pmod{n}$

2. ✖ $a + c \not\equiv b + c \pmod{n}$ but $ac \equiv bc \pmod{n}$

3. ✔ $a + c \equiv b + c \pmod{n}$ and $ac \equiv bc \pmod{n}$

4. ✖ $a + c \not\equiv b + c \pmod{n}$ and $ac \not\equiv bc \pmod{n}$

Question Number : 101 Question Id : 16794313816 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

मान लें $n > 1$ निर्धारित है और a, b, c यादृच्छिक पूर्णांक हो। अगर $a \equiv b \pmod{n}$ है, तो:

Options :

1. ✖ $a + c \equiv b + c \pmod{n}$ लेकिन $ac \not\equiv bc \pmod{n}$

2. ✖ $a + c \not\equiv b + c \pmod{n}$ लेकिन $ac \equiv bc \pmod{n}$

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3. ✔ $a+c \equiv b+c \pmod{n}$ लेकिन $ac \equiv bc \pmod{n}$

4. ✖ $a+c \not\equiv b+c \pmod{n}$ लेकिन $ac \not\equiv bc \pmod{n}$

Question Number : 102 Question Id : 16794313817 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If $gcd\,(a,n) = 1$, then the linear congruence $ax = b(\mathrm{mod}\,n)$ has:

Options :

1. ✖ no solution

2. ✔ a unique solution modulo n

3. ✖ exactly n incongruent solutions modulo n

4. ✖ exactly $2n$ incongruent solutions modulo n

Question Number : 102 Question Id : 16794313817 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर $gcd\,(a,n) = 1$, तो रैखिक सर्वांगसम (linear congruence) $ax = b(\mathrm{mod}\,n)$ के लिए _____ होता है।

Options :

1. ✖ कोई हल नहीं

2. ✔ एक अनूठा हल माड्युलो n

3. ✖ बिल्कुल n असर्वांगसम (incongruent) हल माड्युलो n

4. ✖ बिल्कुल $2n$ असर्वांगसम (incongruent) हल माड्युलो n

Question Number : 103 Question Id : 16794313818 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The sum of positive divisors of 180 is:

Options :

1. ✖ 564

2. ✔ 546

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3. ✖ 654

4. ✖ 456

Question Number : 103 Question Id : 16794313818 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

180 के धनात्मक भाजकों का योगफल निम्नलिखित में कौन है?

Options :

1. ✖ 564

2. ✔ 546

3. ✖ 654

4. ✖ 456

Question Number : 104 Question Id : 16794313819 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The decimal representation of 30! terminates with:

Options :

1. ✖ 5 zeros

2. ✖ 6 zeros

3. ✔ 7 zeros

4. ✖ 8 zeros

Question Number : 104 Question Id : 16794313819 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

30!का दशमलव प्रतिनिधित्व _____ के साथ पूर्ण होता है।

Options :

1. ✖ 5 शून्य

2. ✖ 6 शून्य

3. ✔ 7 शून्य

4. ✖ 8 शून्य

Question Number : 105 Question Id : 16794313820 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If p and q are distinct primes, then:

Options :

1. ✔ $p^{q-1} + q^{p-1} \equiv 1 \pmod{pq}$

2. ✖ $p^{q-1} + q^{p-1} \equiv -1 \pmod{pq}$

3. ✖ $p^{q-1} + q^{p-1} \equiv 0 \pmod{pq}$

4. ✖ $p^{q-1} + q^{p-1} \equiv 2 \pmod{pq}$

Question Number : 105 Question Id : 16794313820 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर p और q सुस्पष्ट अभाज्य हैं, तो:

Options :

1. ✔ $p^{q-1} + q^{p-1} \equiv 1 \pmod{pq}$

2. ✖ $p^{q-1} + q^{p-1} \equiv -1 \pmod{pq}$

3. ✖ $p^{q-1} + q^{p-1} \equiv 0 \pmod{pq}$

4. ✖ $p^{q-1} + q^{p-1} \equiv 2 \pmod{pq}$

Question Number : 106 Question Id : 16794313821 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If x is the remainder when $17!$ is divided by 19. Then the value of x is:

Options :

1. ✖ -1

2. ✔ 1

3. ✖ 0

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4. ✖ 17

Question Number : 106 Question Id : 16794313821 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

जब 17! को 19 से भाग दिया जाता है तो जो शेष x आता है, तो x मान कितना है ?

Options :

1. ✖ - 1

2. ✔ 1

3. ✖ 0

4. ✖ 17

Question Number : 107 Question Id : 16794313822 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If $n > 2$ is an integer and $\phi(n)$, represents the Euler's totient function, then the value of $\phi(n)$ is:

Options :

1. ✔ any positive integer

2. ✖ a prime integer

3. ✖ an odd integer

4. ✖ an even integer

Question Number : 107 Question Id : 16794313822 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर $n > 2$ एक पूर्णांक है और $\phi(n)$, यूलर्स टोशिएंट फंक्शन का प्रतिनिधित्व करता है तो $\phi(n)$ का मान क्या है?

Options :

1. ✔ कोई भी धनात्मक पूर्णांक

2. ✖ एक अभाज्य पूर्णांक

3. ✖ एक विषम पूर्णांक

4. ✖ एक सम पूर्णांक

Question Number : 108 Question Id : 16794313823 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Every integer $n \geq 1$ is either a prime or:

Options :

1. ✖ is expressible as a sum of finitely many prime numbers.

2. ✔ is expressible as a product of finitely many prime numbers.

3. ✖ is expressible as a sum of finitely many even numbers, which is not unique.

4. ✖ is expressible as a sum of finitely many odd numbers.

Question Number : 108 Question Id : 16794313823 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$n \geq 1$ का प्रत्येक पूर्णांक या तो एक अभाज्य है या:

Options :

1. ✖ कई परिमित अभाज्य संख्याओं के योग के रूप में अभिव्यंजनीय है।

2. ✔ कई परिमित अभाज्य संख्याओं के गुणनफल के रूप में अभिव्यंजनीय है।

3. ✖ कई सम संख्या जोकि अनूठी नहीं हो, उनके योग के रूप में अभिव्यंजनीय है।

4. ✖ कई परिमित विषम संख्याओं के योग के रूप में अभिव्यंजनीय।

Question Number : 109 Question Id : 16794313824 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If 9 students are chosen in any way from a class, then the number of students who will have been born on the same day of the week is:

Options :

1. ✔ almost two

2. ✖ exactly two

3. ✖ atleast two

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4. ✖ atleast three

Question Number : 109 Question Id : 16794313824 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर एक कक्षा से किसी भी तरह से 9 विद्यार्थियों को चुना जाता है तो सप्ताह के एक ही दिन जन्म लेने वाले विद्यार्थियों की संख्या होगी:

Options :

1. ✔ लगभग दो

2. ✖ बिल्कुल दो

3. ✖ कम से कम दो

4. ✖ कम से कम तीन

Question Number : 110 Question Id : 16794313825 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If A, B, C are finite sets such that B and C are disjoint, then $|A \cup B \cup C|$ is equal to:

Options :

1. ✖ $|A| + |B| + |C| + |A \cap B| + |A \cap C| - |A \cap B \cap C|$

2. ✖ $|A| + |B| + |C| + |A \cap B| - |B \cup C| + |A \cap B \cap C|$

3. ✖ $|A| + |B| + |C| - |A \cap B \cap C|$

4. ✔ $|A| + |B| + |C| - |A \cap B| - |A \cap C|$

Question Number : 110 Question Id : 16794313825 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर A, B, C ऐसे परिमित समुच्चय हैं कि B और C असंयुक्त (डिसज्वाइंट) हो जाते हैं, तो $|A \cup B \cup C|$ _____ के बराबर होगा।

Options :

1. ✖ $|A| + |B| + |C| + |A \cap B| + |A \cap C| - |A \cap B \cap C|$

2. ✖ $|A| + |B| + |C| + |A \cap B| - |B \cup C| + |A \cap B \cap C|$

3. ✖ $|A| + |B| + |C| - |A \cap B \cap C|$

4. ✔ $|A| + |B| + |C| - |A \cap B| - |A \cap C|$

Question Number : 111 Question Id : 16794313826 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The general solution of recurrence relation, $a_r - 9a_{r-1} + 14a_{r-2} = 7.5^r,\ r \geq 2$ is:

Options :

1. ✖ $A_1.2^r + A_2.5^r + \frac{172}{3}.7^r$, where A_1 and A_2 are arbitrary constants.

2. ✖ $A_1.2^r + A_2.7^r + \frac{175}{3}.5^r$, where A_1 and A_2 are arbitrary constants.

3. ✔ $A_1.2^r + A_2.7^r - \frac{175}{6}.5^r$, where A_1 and A_2 are arbitrary constants.

4. ✖ $A_1.5^r + A_2.7^r - \frac{171}{6}.2^r$, where A_1 and A_2 are arbitrary constants.

Question Number : 111 Question Id : 16794313826 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

पुनरावृत्ति संबंध का सामान्य हल,
$a_r - 9a_{r-1} + 14a_{r-2} = 7.5^r, r \geq 2$ है:

Options :

1. ✖ $A_1.2^r + A_2.5^r + \frac{172}{3}.7^r$, जहां A_1 और A_2 यादृच्छिक नियतांक हैं।

2. ✖ $A_1.2^r + A_2.7^r + \frac{175}{3}.5^r$, जहां A1 और A2 यादृच्छिक नियतांक हैं।

3. ✔ $A_1.2^r + A_2.7^r - \frac{175}{6}.5^r$ जहां A1 और A2 यादृच्छिक नियतांक हैं।

4. ✖ $A_1.5^r + A_2.7^r - \frac{171}{6}.2^r$, जहां A1 और A2 यादृच्छिक नियतांक हैं।

Question Number : 112 Question Id : 16794313827 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Identify the periodic function having period π.

Options :

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1. ✖ $\cos(\frac{x}{2})$

2. ✖ $xsinx$

3. ✔ $|sinx|$

4. ✖ $[x + \pi]$, where [.] represents the greatest integer function

Question Number : 112 Question Id : 16794313827 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

पीरियड π से युक्त आवधिक फलन की पहचान करें।

Options :

1. ✖ $\cos(\frac{x}{2})$

2. ✖ $xsinx$

3. ✔ $|sinx|$

4. ✖ $[x+ \pi]$, जहां [.] सर्वाधिक पूर्णांक फलन का प्रतिनिधित्व करता है।

Question Number : 113 Question Id : 16794313828 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

For a real number x, $\lim_{x\to\infty}\left(\frac{x-3}{2+x}\right)^x$ is equal to:

Options :

1. ✖ $\frac{1}{e}$

2. ✖ $\frac{1}{e^5}$

3. ✔ e^5

4. ✖ e^1

Question Number : 113 Question Id : 16794313828 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

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एक वास्तविक संख्या x के लिए , $\lim_{x\to\infty}\left(\frac{x-3}{2+x}\right)^{x}$ बराबर है:

Options :

1. ✖ $\frac{1}{e}$

2. ✖ $\frac{1}{e^5}$

3. ✔ e^5

4. ✖ e^1

Question Number : 114 Question Id : 16794313829 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A function $f(x)$ is continuous at a point a of its domain if:

Options :

1. ✖ $\lim_{x\to a^-} f(x) = \lim_{x\to a^+} f(x)$

2. ✖ $\lim_{x\to a} f(x)$ exists and is finite

3. ✖ $\lim_{x\to a} f(x) \neq f(a)$

4. ✔ $\lim_{x\to a} f(x) = f(a)$

Question Number : 114 Question Id : 16794313829 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक फलन $f(x)$ एक बिंदु a पर अपने डोमेन पर सतत होता है अगर:

Options :

1. ✖ $\lim_{x\to a^-} f(x) = \lim_{x\to a^+} f(x)$

2. ✖ $\lim_{x\to a} f(x)$ मौजूद हो और यह स्थिर हो

3. ✖ $\lim_{x\to a} f(x) \neq f(a)$

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4. ✔ $\lim_{x \to a} f(x) = f(a)$

Question Number : 115 Question Id : 16794313830 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If $f(x) = |x-7| + |x-2| + |x-3|$, then the value of $\frac{d}{dx} f(x)$ at $x = 5$ is:

Options :

1. ✖ 0

2. ✔ 1

3. ✖ -1

4. ✖ 2

Question Number : 115 Question Id : 16794313830 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर $f(x) = |x-7| + |x-2| + |x-3|$, तो x पर $\frac{d}{dx} f(x)$ का मान $= 5$ है:

Options :

1. ✖ 0

2. ✔ 1

3. ✖ - 1

4. ✖ 2

Question Number : 116 Question Id : 16794313831 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Find the limit:

$$\lim_{x \to y} \frac{\tan x - \tan y}{x - y}$$

Options :

1. ✖ $\sec^2 x$

2. ✖ $\cos^2 x$

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3. ✔ $\sec^2 y$

4. ✖ $\cos^2 y$

Question Number : 116 Question Id : 16794313831 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

लिमिट ज्ञात करें:

$$\lim_{x \to y} \frac{\tan x - \tan y}{x - y}$$

Options :

1. ✖ $\sec^2 x$

2. ✖ $\cos^2 x$

3. ✔ $\sec^2 y$

4. ✖ $\cos^2 y$

Question Number : 117 Question Id : 16794313832 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In a cow shed 25 cows are tied up equidistant in a straight line. There is a distance of 5 m between any two cows. The hay container is at a distance of 10 m from the first cow. The caretaker has to feed each cow separately, beginning from the first cow. What will be the total distance covered by the caretaker in order to feed all the cows, if he starts to move from the container and ends at the last cow?

Options :

1. ✖ 3350 m

2. ✖ 3360 m

3. ✔ 3370 m

4. ✖ 3380 m

Question Number : 117 Question Id : 16794313832 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक गोशाला में सीधी कतार में 25 गायों को समान दूरी पर बांधा गया है। किसी भी दो गाय के बीच की दूरी 5 मीटर है। घास का कंटेनर पहली गाय से 10 मीटर की दूरी पर रखी हुई है। चरवाहे को हर एक गाय को अलग-अलग चारे खिलाने हैं और वह यह काम पहली गाय से आरंभ करता है। अगर चरवाहे को सभी गायों को चारे खिलाने हो और वह कंटेनर से चलना आरंभ कर अंतिम गाय तक चला हो तो उसके द्वारा तय की गई कुल दूरी क्या होगी?

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Options :

1. ✖ 3350 मीटर

2. ✖ 3360 मीटर

3. ✔ 3370 मीटर

4. ✖ 3380 मीटर

Question Number : 118 Question Id : 16794313833 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If there are n arithmetic progressions with the first term of each being unity and common differences as 1, 2, 3, ..., n respectively, then the sum of their n^{th} terms is:

Options :

1. ✖ $n(n^2-1)$

2. ✖ $\frac{n}{2}(n^2-1)$

3. ✖ $n(n^2+1)$

4. ✔ $\frac{n}{2}(n^2+1)$

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Question Number : 118 Question Id : 16794313833 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर n अंकगणितीय अनुक्रम हो जिसमें हर किसी का पहला पद इकाई और सामान्य अंतर में क्रमश: 1, 2, 3,..., n हो तो उसके $n^{वें}$ पद का योग होगा:

Options :

1. ✖ $n(n^2-1)$

2. ✖ $\frac{n}{2}(n^2-1)$

3. ✖ $n(n^2+1)$

4. ✔ $\frac{n}{2}(n^2+1)$

Question Number : 119 Question Id : 16794313834 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The sum of n terms of four arithmetical progressions are S_1, S_2, S_3 and S_4, with the first term of each as unity and the common differences as 1, 2, 3 and 4 respectively. Then:

Options :

1. ✖ $S_1 + S_2 = S_3 + S_4$

2. ✔ $S_1 + S_4 = S_2 + S_3$

3. ✖ $S_1 + S_3 = S_2 + S_4$

4. ✖ $S_1 + S_2 + S_3 = 2S_4$

Question Number : 119 Question Id : 16794313834 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

n पदों के चार अंकगणितीय अनुक्रम S_1, S_2, S_3 और S_4 का योग जिसमें हर किसी का पहला पद इकाई और सामान्य अंतर क्रमश: 1, 2, 3,4 है, तो:

Options :

1. ✖ $S_1 + S_2 = S_3 + S_4$

2. ✔ $S_1 + S_4 = S_2 + S_3$

3. ✖ $S_1 + S_3 = S_2 + S_4$

4. ✖ $S_1 + S_2 + S_3 = 2S_4$

Question Number : 120 Question Id : 16794313835 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The points (4, 3), (1, 2), (– 2, – 1) and (1, 0) are the vertices of a:

Options :

1. ✖ Square

2. ✔ Parallelogram

3. ✖ Rectangle

4. ✖ Rhombus

Question Number : 120 Question Id : 16794313835 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

बिंदु (4,3), (1,2), (- 2, - 1) और (1,0) _____ के शीर्ष हैं।

Options :

1. ✖ वर्ग

2. ✔ समानांतर चतुर्भुज

3. ✖ आयत

4. ✖ समचतुर्भुज

Subject Related

Group Number :	7
Group Id :	167943460
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20
Revisit allowed for group Instructions? :	Yes
Maximum Instruction Time:	0
Minimum Instruction Time:	0

Subject Related

Section Id :	167943525
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	20
Number of Questions to be attempted:	20
Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	167943870
Question Shuffling Allowed :	Yes

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Question Number : 121 Question Id : 16794313836 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If the points A, B, C are the vertices of a triangle and P, Q, R are the mid-points of sides of ΔABC, then:

Options :

1. ✖ Area of $\Delta ABC = \frac{1}{4}$. Area of ΔPQR

2. ✔ Area of ΔABC = 4. Area of ΔPQR

3. ✖ Area of ΔABC = 2. Area of ΔPQR

4. ✖ Area of $\Delta ABC = \frac{1}{2}$. Area of ΔPQR

Question Number : 121 Question Id : 16794313836 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर बिंदु A, B, C एक त्रिभुज के शीर्ष हैं और P, Q, R ΔABC भुजा का मध्य बिंदु है तो:

Options :

1. ✖ ΔABC का क्षेत्रफल = $\frac{1}{4}$ ΔPQR का क्षेत्रफल होगा

2. ✔ ΔABC का क्षेत्रफल = 4 ΔPQR का क्षेत्रफल होगा

3. ✖ ΔABC का क्षेत्रफल = 2 का क्षेत्रफल होगा

4. ✖ ΔABC का क्षेत्रफल = $\frac{1}{2}$ ΔPQR का क्षेत्रफल होगा

Question Number : 122 Question Id : 16794313837 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Consider three points (a + 1, a – 2), (a, 2a + 1) and (–2 + a, 3a – 2). What should be the value of 'a' so that these points are collinear?

Options :

1. ✖ –7

2. ✖ 6

3. ✖ 9

4. ✔ –9

Question Number : 122 Question Id : 16794313837 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

तीन बिंदु (a+1, a -2), (a, 2a+1) और (-2+a, 3a-2) पर विचार करें। 'a' का मान कितना हो ताकि ये बिंदुएँ सहरैखिक हों?

Options :

1. ✖ -7

2. ✖ 6

3. ✖ 9

4. ✔ -9

Question Number : 123 Question Id : 16794313838 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If two medians of a triangle are equal, then which of the statements is true?

Options :

1. ✖ Triangle is a right angled triangle.

2. ✖ Two medians of a triangle cannot be equal.

3. ✖ Triangle is an equilateral triangle.

4. ✔ Triangle is an isosceles triangle.

Question Number : 123 Question Id : 16794313838 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर एक त्रिभुज की दो माध्यिकाएँ बराबर हो तो निम्नलिखित में से कौन कथन सत्य है?

Options :

1. ✖ त्रिभुज एक समकोण त्रिभुज है।

2. ✖ एक त्रिभुज की दो माध्यिकाएँ बराबर नहीं हो सकतीं।

3. ✖ त्रिभुज एक समबाहु त्रिभुज है।

4. ✔ त्रिभुज एक समद्विबाहु त्रिभुज है।

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Question Number : 124 Question Id : 16794313839 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Take two points P and Q on the line joining A (7, 2) and B (9, 5) such that AP = PQ = QB. Then the mid-point of PQ is:

Options :

1. ✖ $\frac{3}{2}, 1$

2. ✖ $1, \frac{3}{2}$

3. ✖ $\frac{7}{2}, 8$

4. ✔ $8, \frac{7}{2}$

Question Number : 124 Question Id : 16794313839 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

रेखा A (7, 2) और B (9, 5) को मिलाने वाले दो बिंदु P और Q इस प्रकार है कि AP = PQ = QB होता है। तो PQ का मध्य बिंदु है:

Options :

1. ✖ $\frac{3}{2}, 1$

2. ✖ $1, \frac{3}{2}$

3. ✖ $\frac{7}{2}, 8$

4. ✔ $8, \frac{7}{2}$

Question Number : 125 Question Id : 16794313840 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

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Identify the quadratic equation whose roots are:

$$\frac{a+b}{\sqrt{a+b}\pm\sqrt{a}}$$

Options :

1. ✖ $bx^2-2(a+b)^{\frac{3}{2}}x+2(a+b)^{\frac{3}{2}}=0$

2. ✔ $bx^2-2(a+b)^{\frac{3}{2}}x+(a+b)^2=0$

3. ✖ $(a+b)^2x^2-2(a+b)^{\frac{3}{2}}x+b=0$

4. ✖ $2(a+b)^{\frac{3}{2}}x^2-bx+(a+b)^2=0$

Question Number : 125 Question Id : 16794313840 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

उस द्विघाती समीकरण की पहचान करें जिसका वर्गमूल $\frac{a+b}{\sqrt{a+b}\pm\sqrt{a}}$ है:

Options :

1. ✖ $bx^2-2(a+b)^{\frac{3}{2}}x+2(a+b)^{\frac{3}{2}}=0$

2. ✔ $bx^2-2(a+b)^{\frac{3}{2}}x+(a+b)^2=0$

3. ✖ $(a+b)^2x^2-2(a+b)^{\frac{3}{2}}x+b=0$

4. ✖ $2(a+b)^{\frac{3}{2}}x^2-bx+(a+b)^2=0$

Question Number : 126 Question Id : 16794313841 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Identify the equation whose roots are $(\alpha+\beta)^2$ and $(\alpha-\beta)^2$, where α and β are the roots of $2x^2+2(a+b)x+(a^2+b^2)=0$

Options :

1. ✖ $2abx^2-x+(a^2-b^2)=0$

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2. ✔ $x^2 - 4abx - (a^2 - b^2)^2 = 0$

3. ✖ $x^2 - (a^2 - b^2)x - 4a^2b^2 = 0$

4. ✖ $2abx^2 + (a^2 - b^2)\,x + 1 = 0$

Question Number : 126 Question Id : 16794313841 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

उस समीकरण की पहचान करें जिसके वर्गमूल $(\alpha+\beta)^2$ और $(\alpha-\beta)^2$, हैं, जहां α और β का वर्गमूल $2x^2 + 2(a+b)x + (a^2+b^2) = 0$ है।

Options :

1. ✖ $2abx^2 - x + (a^2 - b^2) = 0$

2. ✔ $x^2 - 4abx - (a^2 - b^2)^2 = 0$

3. ✖ $x^2 - (a^2 - b^2)x - 4a^2b^2 = 0$

4. ✖ $2abx^2 + (a^2 - b^2)\,x + 1 = 0$

Question Number : 127 Question Id : 16794313842 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If the roots of $ax^2 + bx + 7 = 0$ are reciprocals of each other, then the value of a is:

Options :

1. ✖ $\frac{-1}{7}$

2. ✖ -7

3. ✖ $\frac{1}{7}$

4. ✔ 7

Question Number : 127 Question Id : 16794313842 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर $ax^2 + bx + 7 = 0$ का वर्गमूल एक-दूसरे का व्युत्क्रम (रेसिप्रकल) है तो a का मान है:

Options :

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1. ✖ $\frac{-1}{7}$

2. ✖ -7

3. ✖ $\frac{1}{7}$

4. ✔ 7

Question Number : 128 Question Id : 16794313843 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If α and β are the roots of quadratic equation $x^2 - 7x + 10 = 0$, then identify the equation whose roots are $\frac{\alpha+\beta}{\alpha^2}$ and $\frac{\alpha+\beta}{\beta^2}$

Options :

1. ✖ $100x^2 - 203x - 49 = 0$

2. ✖ $100x^2 - 203x + 49 = 0$

3. ✔ $49x^2 - 203x + 100 = 0$

4. ✖ $100x^2 + 203x + 29 = 0$

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Question Number : 128 Question Id : 16794313843 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर α और β द्विघाती समीकरण $x^2 - 7x + 10 = 0$, के वर्गमूल हैं तो उस समीकरण की पहचान करें जिसका वर्गमूल $\frac{\alpha+\beta}{\alpha^2}$ और $\frac{\alpha+\beta}{\beta^2}$ है:

Options :

1. ✖ $100x^2 - 203x - 49 = 0$

2. ✖ $100x^2 - 203x + 49 = 0$

3. ✔ $49x^2 - 203x + 100 = 0$

4. ✖ $100x^2 + 203x + 29 = 0$

Question Number : 129 Question Id : 16794313844 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If the discriminant of quadratic equation $ax^2 + bx + c = 0$, where $a, b, c \in Z$ and $a \neq 0$, is non-zero and not a perfect square, then the roots of this equation are:

Options :

1. ✖ rational and unequal

2. ✔ irrational and unequal

3. ✖ rational and equal

4. ✖ irrational and equal

Question Number : 129 Question Id : 16794313844 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर द्विघाती समीकरण का विविक्तकर (डिसक्रिमिनैंट) $ax^2 + bx + c = 0$ है, जहाँ $a, b, c \in Z$ और $a \neq 0$ गैर-शून्य और एक सटीक वर्ग है, तो इस समीकरण का वर्गमूल है:

Options :

1. ✖ परिमेय और असमान

2. ✔ अपरिमेय और असमान

3. ✖ परिमेय और समान

4. ✖ अपरिमेय और समान

Question Number : 130 Question Id : 16794313845 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If $a, b, c > 0$, then minimum value of $\frac{a}{b+c} + \frac{b}{c+a} + \frac{c}{a+b}$ is:

Options :

1. ✖ 5/2

2. ✖ 2

3. ✔ 3/2

4. ✖ 1

Question Number : 130 Question Id : 16794313845 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

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अगर $a, b, c > 0$, तो $\frac{a}{b+c} + \frac{b}{c+a} + \frac{c}{a+b}$ का न्यूनतम मान होगा:

Options :

1. ✖ 5/2

2. ✖ 2

3. ✔ 3/2

4. ✖ 1

Question Number : 131 Question Id : 16794313846 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If a, b, c are non-negative real numbers, then:

Options :

1. ✖ $a^4 + b^4 + c^4 < abc(a + b + c)$

2. ✔ $a^4 + b^4 + c^4 > abc(a + b + c)$

3. ✖ $a^4 + b^4 + c^4 < 3\left(\frac{a+b+c}{3}\right)^4$

4. ✖ $a^4 + b^4 + c^4 < a + b + c$

Question Number : 131 Question Id : 16794313846 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर a, b, c गैर-ऋणात्मक वास्तविक संख्याएँ हैं, तो:

Options :

1. ✖ $a^4 + b^4 + c^4 < abc(a + b + c)$

2. ✔ $a^4 + b^4 + c^4 > abc(a + b + c)$

3. ✖ $a^4 + b^4 + c^4 < 3\left(\frac{a+b+c}{3}\right)^4$

4. ✖ $a^4 + b^4 + c^4 < a + b + c$

Question Number : 132 Question Id : 16794313847 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Correct Marks : 1 Wrong Marks : 0.25

Consider the system of inequalities, $\frac{x-3}{4}-x<\frac{x-1}{2}-\frac{x-2}{3}, 2-x>2x-8$. Then the possible value of x are:

Options :

1. ✖ $-1<x<\frac{1}{3}$

2. ✖ $-1<x<10$

3. ✖ no solution

4. ✔ $-1<x<\frac{10}{3}$

Question Number : 132 Question Id : 16794313847 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

असमानता की प्रणाली , $\frac{x-3}{4}-x<\frac{x-1}{2}-\frac{x-2}{3}, 2-x>2x-8$, पर विचार करें, तो x का संभावित मान है:

Options :

1. ✖ $-1<x<\frac{1}{3}$

2. ✖ $-1<x<10$

3. ✖ कोई हल नहीं

4. ✔ $-1<x<\frac{10}{3}$

Question Number : 133 Question Id : 16794313848 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

For a real x, if $y=\left(\frac{3}{2}\right)^{x-1}+\left(\frac{3}{2}\right)^{-x-1}$, then the least value of y is:

Options :

1. ✖ $\frac{3}{4}$

2. ✔ $\frac{4}{3}$

3. ✖ $\frac{2}{3}$

4. ✖ $\frac{1}{3}$

Question Number : 133 Question Id : 16794313848 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक वास्तविक x के लिए अगर $y = \left(\frac{3}{2}\right)^{x-1} + \left(\frac{3}{2}\right)^{-x-1}$, तो y का लघुतम मान होगा:

Options :

1. ✖ $\frac{3}{4}$

2. ✔ $\frac{4}{3}$

3. ✖ $\frac{2}{3}$

4. ✖ $\frac{1}{3}$

Question Number : 134 Question Id : 16794313849 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The number of values of k for which the system of equations $(k+1)x + 8y = 4k$, $kx + (k+3)y = 3k - 1$ has no solutions is:

Note: For this question, discrepancy is found in question/answer. So,this question is ignored for all candidates.

Options :

1. 2

2. 3

3. -1

4. 0

Question Number : 134 Question Id : 16794313849 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

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k के मानों की संख्या क्या जिसकी समीकरण प्रणाली $(k+1)x+8y=4k$, $kx+(k+3)y=3k-1$ का कोई हल नहीं है?

Note: For this question, discrepancy is found in question/answer. So,this question is ignored for all candidates.

Options :

1. 2

2. 3

3. -1

4. 0

Question Number : 135 Question Id : 16794313850 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Consider the linearly independent subset $S = \{[1, 0, 2], [0, -1, -3]\}$ of $\mathbb{R}^3$ If we enlarge this set to find a basis for $\mathbb{R}^3$ that contains S, then:

Options :

1. ✖ $\{[1, 0, 2], [0, -1, -3], [0, 2, 6]\}$ is a basis of $\mathbb{R}^3$.

2. ✖ $\{[1, 0, 2], [0, -1, -3], [1, -1, -1]\}$ is a basis of $\mathbb{R}^3$.

3. ✔ $\{[1, 0, 2], [0, -1, -3], [0, 0, 1]\}$ is a basis of $\mathbb{R}^3$.

4. ✖ $\{[1, 0, 2], [0, -1, -3], [2, 0, 4]\}$ is a basis of $\mathbb{R}^3$.

Question Number : 135 Question Id : 16794313850 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

रैखिक स्वतंत्र उप-समुच्चय S = {[1, 0, 2], [0, -1, -3]} का $\mathbb{R}^3$ पर विचार करें, अगर $\mathbb{R}^3$ का आधार ज्ञात करने के लिए हम इस समुच्चय को बड़ा करते है जिसमें S शामिल है तो

Options :

1. ✖ {[1, 0, 2], [0, -1, -3], [0, 2,6]} , $\mathbb{R}^3$ का आधार है।

2. ✖ {[1, 0, 2], [0, -1, -3], ,[1.-1.-1]} , $\mathbb{R}^3$ का आधार है।

3. ✔ {[1, 0, 2], [0, -1, -3], [0, 0, 1]} , $\mathbb{R}^3$ का आधार है।

4. ✖ {[1, 0, 2], [0, -1, -3], [2,0,4]} , $\mathbb{R}^3$ का आधार है।

Question Number : 136 Question Id : 16794313851 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Identify the statement that is true for real vector space $\mathbb{R}^3$.

Options :

1. ✔ Every linearly independent set of $\mathbb{R}^3$ can be enlarged to a basis of $\mathbb{R}^3$.

2. ✖ Every linearly independent set of $\mathbb{R}^3$ is a basis for $\mathbb{R}^3$.

3. ✖ Every linearly dependent set of $\mathbb{R}^3$ is a basis for $\mathbb{R}^3$.

4. ✖ Every linearly independent set of $\mathbb{R}^3$ can be shrinked to a basis of $\mathbb{R}^3$.

Question Number : 136 Question Id : 16794313851 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

उस कथन की पहचान करें जो वास्तविक वेक्टर स्पेश $\mathbb{R}^3$ के लिए सत्य है।

Options :

1. ✔ $\mathbb{R}^3$ के एक आधार पर रैखिक रूप से स्वतंत्र $\mathbb{R}^3$ के प्रत्येक समुच्चयको बड़ा किया जा सकता है।

2. ✖ $\mathbb{R}^3$ का प्रत्येक रैखिक रूप से स्वतंत्र समुच्चय $\mathbb{R}^3$ के लिए आधार है।

3. ✖ $\mathbb{R}^3$ का प्रत्येक रैखिक रूप से पराश्रित समुच्चय $\mathbb{R}^3$ के लिए आधार है।

4. ✖ $\mathbb{R}^3$ के एक आधार पर रैखिक रूप से स्वतंत्र $\mathbb{R}^3$ के प्रत्येक समुच्चय को संकुचित किया जा सकता है।

Question Number : 137 Question Id : 16794313852 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Let A be a non-zero $m \times n$ matrix of rank r. Then A is equivalent to $\begin{bmatrix} I_r & 0 \\ 0 & 0 \end{bmatrix}$, where I_r is the identity matrix of order r, if:

Options :

1. ✔ $m = n = r$

2. ✖ $r = m < n$

3. ✖ $r = n < m$

4. ✖ $r < n$ and $r < m$

Question Number : 137 Question Id : 16794313852 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

मान लें कि A $m \times n$ मैट्रिक्स के r रैंक का गैर-शून्य है। तब A $\begin{bmatrix} I_r & 0 \\ 0 & 0 \end{bmatrix}$ के समतुल्य है, जहां I_r r क्रम का पहचान मैट्रिक्स होता है, अगर :

Options :

1. ✔ $m = n = r$

2. ✖ $r = m < n$

3. ✖ $r = n < m$

4. ✖ $r < n$ और $r < m$

Question Number : 138 Question Id : 16794313853 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Identify a subspace of $\mathbb{R}^3$ out of four given options.

Options :

1. ✖ A plane in $\mathbb{R}^3$ not through the origin.

2. ✖ A plane in $\mathbb{R}^3$ not through the points (0, 0, 0) and (1, 1, 1).

3. ✖ A plane in $\mathbb{R}^3$ not through the points (0, 0, 0) but passing through the point (1, 1, 1).

4. ✔ A plane in $\mathbb{R}^3$ passing through the origin.

Question Number : 138 Question Id : 16794313853 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

दिए गए चार विकल्पों में $\mathbb{R}^3$ के उप – अंतराल (सबस्पेस) की पहचान करें :

Options :

1. ✖ $\mathbb{R}^3$ में एक तल जो मूल से नहीं गुजरता हो।

2. ✖ $\mathbb{R}^3$ में एक तल जो बिंदु (0, 0, 0) और (1, 1, 1) से नहीं गुजरता हो।

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3. ✖

$\mathbb{R}^3$ में एक तल जो बिंदु (0, 0, 0) से नहीं गुजरता हो, लेकिन बिंदु (1, 1, 1) से गुजरता हो।

4. ✔ $\mathbb{R}^3$ में एक तल जो मूल से गुजरता हो।

Question Number : 139 Question Id : 16794313854 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Identify the polynomial which will be the characteristic polynomial of a diagonalizable matrix over the real field.

Options :

1. ✖ $x^2 + 1$

2. ✖ $x(x^2 - 6x + 25)$

3. ✖ $(x - 2)(x^2 + 2x + 2)$

4. ✔ $x^3 - 3x^2 + 2x$

Question Number : 139 Question Id : 16794313854 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

उस बहुपद की पहचान करें जोकि वास्तविक क्षेत्र के ऊपर के विकर्णीय मैट्रिक्स का लाक्षणिक बहुपद होगा।

Options :

1. ✖ $x^2 + 1$

2. ✖ $x(x^2 - 6x + 25)$

3. ✖ $(x - 2)(x^2 + 2x + 2)$

4. ✔ $x^3 - 3x^2 + 2x$

Question Number : 140 Question Id : 16794313855 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Consider four sets of vectors A, B, C and D in $\mathbb{R}^3$. Out of these sets of vectors, one set is linearly independent in $\mathbb{R}^3$. Identify this linearly independent set.

Options :

1. ✖ $A = \{[1, 0, 1], [0, 1, 0], [0, 0, 0]\}$

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2. ✖ B = {[2, –1, 3], [–4, 2, –6], [8, –4, 12]}

3. ✖ C = {[1, 3, 2], [7, –2, 1], [0, 1, 1], [2, 0, 0]}

4. ✔ D = {[4, 1, 0], [2, 5, 2], [3, 0, 0]}

Question Number : 140 Question Id : 16794313855 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$\mathbb{R}^3$ में चार समुच्चयों के सदिश A, B, C और D पर विचार करें। इन सदिशों के समुच्चयों में एक समुच्चय $\mathbb{R}^3$ में आइडिसलीनियर रूप से स्वतंत्र है। इस रैखिक स्वतंत्र समुच्चय की पहचान करें।

Options :

1. ✖ A = {[1, 0, 1], [0, 1, 0], [0, 0, 0]}

2. ✖ B = {[2, -1, 3], [-4, 2, -6], [8, -4, 12]}

3. ✖ C = {[1, 3, 2], [7, -2, 1], [0, 1, 1], [2, 0, 0]}

4. ✔ D = {[4, 1, 0], [2, 5, 2], [3, 0, 0]}

Subject Related

Group Number :	8
Group Id :	167943461
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20
Revisit allowed for group Instructions? :	Yes
Maximum Instruction Time:	0
Minimum Instruction Time:	0

Subject Related

Section Id :	167943526
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	20
Number of Questions to be attempted:	20
Section Marks:	20
Display Number Panel:	Yes

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Group All Questions: No

Sub-Section Number: 1
Sub-Section Id: 167943871
Question Shuffling Allowed : Yes

Question Number : 141 Question Id : 16794313856 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Consider an inconsistent system of 4 linear equations in 5 variables, such that there is atleast one variable with a non-zero coefficient. Then, the possible smallest and largest ranks for the corresponding augmented matrix are:

Options :

1. ✔ Smallest = 2, Largest = 4

2. ✖ Smallest = 1, Largest = 5

3. ✖ Smallest = 1, Largest = 4

4. ✖ Smallest = 2, Largest = 5

Question Number : 141 Question Id : 16794313856 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

4 रैखिक समीकरणों में 5 चरों वाले एक असंगत पध्दतिपर इस प्रकार विचार करें कि कम से कम एक चर गैर-शून्य गुणांक के साथ हो। तो तत्संबधी संवर्द्धित मैट्रिक्स के लिए संभव लघुतम और महत्तम रैंक होंगे:

Options :

1. ✔ लघुतम = 2, महत्तम = 4

2. ✖ लघुतम = 1, महत्तम = 5

3. ✖ लघुतम = 1, महत्तम = 4

4. ✖ लघुतम = 2, महत्तम = 5

Question Number : 142 Question Id : 16794313857 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Consider a 2-vector X having its initial point at the origin. Vector X is rotated counterclockwise about the origin through an angle of 3π. Then this geometric transformation is represented by the matrix:

Options :

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1. ✔ $\begin{bmatrix} -1 & 0 \\ 0 & -1 \end{bmatrix}$

2. ✖ $\begin{bmatrix} 1 & 0 \\ 0 & -1 \end{bmatrix}$

3. ✖ $\begin{bmatrix} -1 & 0 \\ 0 & 1 \end{bmatrix}$

4. ✖ $\begin{bmatrix} 0 & -1 \\ 1 & 0 \end{bmatrix}$

Question Number : 142 Question Id : 16794313857 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक 2-सदिश X विचार करें जिसके प्रारंभिक बिंदु मूल पर है। सदिश X को मूल से होते हुए कोण 3π से वामावर्ती क्रम में घुमाया जाता है। तो ज्यामितीय रूपांतरण किस मैट्रिक्स से अभिव्यक्त होता है?

Options :

1. ✔ $\begin{bmatrix} -1 & 0 \\ 0 & -1 \end{bmatrix}$

2. ✖ $\begin{bmatrix} 1 & 0 \\ 0 & -1 \end{bmatrix}$

3. ✖ $\begin{bmatrix} -1 & 0 \\ 0 & 1 \end{bmatrix}$

4. ✖ $\begin{bmatrix} 0 & -1 \\ 1 & 0 \end{bmatrix}$

Question Number : 143 Question Id : 16794313858 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A transformation $T : R^2 \rightarrow R^2$ first reflects points through the line $x_2 = -x_1$ and then provides a dilation by a factor of 3. Then, the standard matrix of T is:

Options :

1. ✖ $\begin{bmatrix} 3 & 0 \\ 0 & -3 \end{bmatrix}$

2. ✖ $\begin{bmatrix} -3 & 0 \\ 0 & -3 \end{bmatrix}$

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3. ✔ $\begin{bmatrix} 0 & -3 \\ -3 & 0 \end{bmatrix}$

4. ✖ $\begin{bmatrix} 0 & 3 \\ 3 & 0 \end{bmatrix}$

Question Number : 143 Question Id : 16794313858 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक रूपांतरण $T: R^2 \to R^2$ पहले रेखा $x_2 = -x_1$ के जरिए बिंदुओं को परावर्तित करता है और इसके बाद फैक्टर 3 से संकुचित होता है, तो

Options :

1. ✖ $\begin{bmatrix} 3 & 0 \\ 0 & -3 \end{bmatrix}$

2. ✖ $\begin{bmatrix} -3 & 0 \\ 0 & -3 \end{bmatrix}$

3. ✔ $\begin{bmatrix} 0 & -3 \\ -3 & 0 \end{bmatrix}$

4. ✖ $\begin{bmatrix} 0 & 3 \\ 3 & 0 \end{bmatrix}$

Question Number : 144 Question Id : 16794313859 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A linear equation in two variables $ax + by = c$ has:

Options :

1. ✖ a unique solution for $a \neq b$

2. ✖ a unique solution for $a = b \neq c$

3. ✖ a unique solution for all $a, b, c \in \mathbb{R}$

4. ✔ always has infinite many solutions

Question Number : 144 Question Id : 16794313859 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

दो चरों ax+by=c में एक रैखिक समीकरण में होता है

Options :

1. ✖ $a \neq b$ के लिए एक अनूठा हल

2. ✖ $a = b \neq c$ के लिए एक अनूठा हल

3. ✖ सभी $a, b, c \in \mathbb{R}$ के लिए एक अनूठा हल

4. ✔ हमेशा अपरिमित अनेक हल होते हैं

Question Number : 145 Question Id : 16794313860 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is not a solution of the linear equation $x - y = 4ab$

Options :

1. ✖ $x = (a+b)^2, \quad y = (a-b)^2$

2. ✖ $x = 11\,ab, \quad y = 7ab$

3. ✖ $x = (a-b)(a+b), \quad y = a^2 - b(b+4a)$

4. ✔ $x = a - b, \quad y = a + b(1-4a)$

Question Number : 145 Question Id : 16794313860 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

रैखिक समीकरण $x - y = 4ab$ के लिए निम्नलिखित में कौन एक हल नहीं है?

Options :

1. ✖ $x = (a+b)^2, y = (a-b)^2$

2. ✖ $x = 11ab, y = 7ab$

3. ✖ $x = (a-b)(a+b), y = a^2 - b(b+4a)$

4. ✔ $x = a - b, y = a + b(1-4a)$

Question Number : 146 Question Id : 16794313861 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The linear equation $3x + 5y = 16$ in two variables will have:

Options :

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1. ✖ no solution

2. ✔ integer-valued solution

3. ✖ unique solution

4. ✖ no integer-valued solution

Question Number : 146 Question Id : 16794313861 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

दो चरों में रैखिक समीकरण $3x + 5y = 16$ के लिए होगा:

Options :

1. ✖ कोई हल नहीं

2. ✔ पूर्णांक-मूल्यांकित (integer-valued) हल

3. ✖ अनूठा हल

4. ✖ कोई पूर्णांक-मूल्यांकित (integer-valued) हल नहीं

Question Number : 147 Question Id : 16794313862 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Mr. Smith wants to buy bananas and apples worth ₹ 132. If one dozen bananas costs ₹ 36 and one dozen apples costs ₹ 144, Then how many pieces of each kind cannot be bought by him?

Options :

1. ✖ 4 bananas, 10 apples

2. ✖ 8 bananas, 9 apples

3. ✔ 2 bananas, 12 apples

4. ✖ 12 bananas, 8 apples

Question Number : 147 Question Id : 16794313862 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

मि. स्मिथ 132 रुपए के केले और सेब खरीदना चाहते हैं। अगर एक दर्जन केले की लागत 36 रुपये और एक दर्जन सेब की लागत 144 रुपये है तो वे कितनी संख्याओं में दोनों प्रकार के फल नहीं खरीद पाएंगे?

Options :

1. ✖ 4 केला, 10 सेब

2. ✖ 8 केला, 9 सेब

3. ✔ 2 केला, 12 सेब

4. ✖ 12 केला, 8 सेब

Question Number : 148 Question Id : 16794313863 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

What should be the value of k so that the linear equation in two variables x and y, $19x + 57y = k$ does not have any integer-valued solution?

Options :

1. ✖ 57

2. ✔ 17

3. ✖ 38

4. ✖ 19

Question Number : 148 Question Id : 16794313863 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

दो चर x और y में रैखिक समीकरण $19x + 57y = k$, में k का मान क्या हो कि इसमें कोई पूर्णांक-मूल्यांकित (integer-valued) हल नहीं हो?

Options :

1. ✖ 57

2. ✔ 17

3. ✖ 38

4. ✖ 19

Question Number : 149 Question Id : 16794313864 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A pair of linear equations in two variables x and y, $a_1x + b_1y = c_1$, $a_2x - b_2y = c_2$ is inconsistent if:

Options :

1. ✖ $\frac{a_1}{a_2}=\frac{b_1}{b_2}\neq\frac{c_1}{c_2}$

2. ✖ $\frac{a_1}{a_2}\neq\frac{-b_1}{b_2}$

3. ✔ $\frac{a_1}{a_2}=\frac{-b_1}{b_2}\neq\frac{c_1}{c_2}$

4. ✖ $\frac{a_1}{a_2}=\frac{-b_1}{b_2}=\frac{c_1}{c_2}$

Question Number : 149 Question Id : 16794313864 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

दो चर x और y के रैखिक समीकरण $a_1x+b_1y=c_1, a_2x-b_2\,y=c_2$ का एक युग्म अनियत होगा, अगर:

Options :

1. ✖ $\frac{a_1}{a_2}=\frac{b_1}{b_2}\neq\frac{c_1}{c_2}$

2. ✖ $\frac{a_1}{a_2}\neq\frac{-b_1}{b_2}$

3. ✔ $\frac{a_1}{a_2}=\frac{-b_1}{b_2}\neq\frac{c_1}{c_2}$

4. ✖ $\frac{a_1}{a_2}=\frac{-b_1}{b_2}=\frac{c_1}{c_2}$

Question Number : 150 Question Id : 16794313865 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If a pair of linear equations in two variables x and y, $c_1x+a_1y=b_1$, $b_2x+c_2y=a_2$ has a unique solution, then by cross multiplication method.

Options :

1. ✖ $\frac{x}{b_1c_2-b_2c_1}=\frac{y}{c_1a_2-c_2a_1}=\frac{1}{a_1b_2-a_2b_1}$

2. ✔ $\frac{x}{a_1b_2 - c_2b_1} = \frac{y}{b_1b_2 - a_2c_1} = \frac{1}{c_1c_2 - b_2a_1}$

3. ✖ $\frac{x}{c_2b_1 - a_1a_2} = \frac{y}{a_2c_1 - b_1b_2} = \frac{-1}{b_2a_1 - c_1c_2}$

4. ✖ $\frac{x}{a_1a_2 - c_2b_1} = \frac{y}{b_1b_2 - a_2c_1} = \frac{1}{c_1c_2 - b_2a_1}$

Question Number : 150 Question Id : 16794313865 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर दो चर x और y के रैखिक समीकरणों $c_1x + a_1y = b_1$, $b_2x + c_2y = a_2$ के युग्म में एक अनूठा हल है तो पार-गुणन पद्धति के द्वारा:

Options :

1. ✖ $\frac{x}{b_1c_2 - b_2c_1} = \frac{y}{c_1a_2 - c_2a_1} = \frac{1}{a_1b_2 - a_2b_1}$

2. ✔ $\frac{x}{a_1a_2 - c_2b_1} = \frac{y}{b_1b_2 - a_2c_1} = \frac{1}{c_1c_2 - b_2a_1}$

3. ✖ $\frac{x}{c_2b_1 - a_1a_2} = \frac{y}{a_2c_1 - b_1b_2} = \frac{-1}{b_2a_1 - c_1c_2}$

4. ✖ $\frac{x}{a_1a_2 - c_2b_1} = \frac{y}{b_1b_2 - a_2c_1} = \frac{1}{c_1c_2 - b_2a_1}$

Question Number : 151 Question Id : 16794313866 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A pair of linear equations in two variables x and y will have a unique solution if the straight lines in xy - plane representing the given linear equations will:

Options :

1. ✖ overlap each other

2. ✖ be parallel to each other

3. ✖ intersect x-axis and y-axis

4. ✔ intersect each other at some point

Question Number : 151 Question Id : 16794313866 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

दो चर x और y में दो रैखिक समीकरणों का एक अनूठा हल होगा अगर xy तल में रैखिक समीकरणों का प्रतिनिधित्व करने वाली सीधी रेखा _____ होगी।

Options :

1. ✖ एक-दूसरे पर आरोपित

2. ✖ एक-दूसरे के समांतर

3. ✖ xअक्ष और y अक्ष को प्रतिच्छेद करने वाली

4. ✔ किसी बिंदु पर एक-दूसरे को प्रतिच्छेद करने वाली

Question Number : 152 Question Id : 16794313867 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If the straight line L, $y = mx$ passes through the solution of the pair of equations in two variables x and y given as, $2x + 3y = 20, 5x - 2y = 12$ then the angle made by L with the positive direction of x-axis is:

Options :

1. ✖ $30°$

2. ✖ $60°$

3. ✔ $45°$

4. ✖ $\tan^{-1}\left(\frac{1}{2}\right)$

Question Number : 152 Question Id : 16794313867 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर सीधी रेखा L, $y=mx$ दो चर x और y के $2x + 3y = 20, 5x - 2y = 12$ रूप में दिया गया हो, जिसके युग्म समीकरण के हल से गुजरता हो तो x- अक्ष की धनात्मक दिश L द्वारा निर्मित कोण होगा:

Options :

1. ✖ $30°$

2. ✖ 60°

3. ✔ 45°

4. ✖ $\tan^{-1}\left(\frac{1}{2}\right)$

Question Number : 153 Question Id : 16794313868 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If the sum of perimeters of two circles is 40 meters, and radius of one circle is 4 times the radius of the other circle, then the sum of their areas is:

Options :

1. ✖ $\frac{272}{11}$ sq. meters

2. ✔ $\frac{952}{11}$ sq. meters

3. ✖ $\frac{925}{11}$ sq. meters

4. ✖ $\frac{592}{11}$ sq. meters

Question Number : 153 Question Id : 16794313868 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर दो वृत्तों की परिमिती का योग 40 मीटर है और एक वृत्त की त्रिज्या दूसरे वृत्त की त्रिज्या से 4 गुना बड़ी है, तो वृत्तों के क्षेत्रफल का योग क्या होगा?

Options :

1. ✖ $\frac{272}{11}$ वर्ग मीटर

2. ✔ $\frac{952}{11}$ वर्ग मीटर

3. ✖ $\frac{925}{11}$ वर्ग मीटर

4. ✖ $\frac{592}{11}$ वर्ग मीटर

Question Number : 154 Question Id : 16794313869 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

For what values of k_1 and k_2, the pair of equations in two variables x and y given as $5x + k_1 y + 3 = 0, k_2 x + 3y - 2 = 0$ has infinite many solutions?

Options :

1. ✔ $k_1 = \frac{-9}{2}, k_2 = \frac{-10}{3}$

2. ✖ $k_1 = \frac{-10}{3}, k_2 = \frac{-9}{2}$

3. ✖ $k_1 = \frac{-3}{10}, k_2 = \frac{9}{2}$

4. ✖ $k_1 = \frac{9}{2}, k_2 = \frac{3}{10}$

Question Number : 154 Question Id : 16794313869 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

k_1 और k_2 के किस मान में दो चर x और y में दो समीकरण $5x + k_1 y + 3 = 0, k_2 x + 3y - 2 = 0$ के अनियत कई हल होंगे?

Options :

1. ✔ $k_1 = \frac{-9}{2}, k_2 = \frac{-10}{3}$

2. ✖ $k_1 = \frac{-10}{3}, k_2 = \frac{-9}{2}$

3. ✖ $k_1 = \frac{-3}{10}, k_2 = \frac{9}{2}$

4. ✖ $k_1 = \frac{9}{2}, k_2 = \frac{3}{10}$

Question Number : 155 Question Id : 16794313870 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Mr. John has ₹ 70. He wants to buy 2 items, A and B. Four units of items A cost ₹ 12 and five units of items B cost ₹ 25. How many units of items A and B totaling 20 items can be bought by Mr. John?

Options :

1. ✖ Item A: 5 units, Items B: 15 units

2. ✔ Item A: 15 units, Items B: 5 units

3. ✖ Item A: 12 units, Items B: 8 units

4. ✖ Item A: 14 units, Items B: 6 units

Question Number : 155 Question Id : 16794313870 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

मि. के पास '70 हैं। वह दो सामग्री A और B खरीदना चाहते हैं। A की चार नग खरीदने की लागत खर्च '12 और पॉचनग B खरीदने में '25 खर्च होते हैं। अगर मि. जॉन कुल 20 सामग्री खरीदी है तो उसने कितने नग A और कितने नग B खरीदी?

Options :

1. ✖ सामग्री A: 5 नग, सामग्री B: 15 नग

2. ✔ सामग्री A: 15 नग, सामग्री B: 5 नग

3. ✖ सामग्री A: 12 नग, सामग्री B: 8 नग

4. ✖ सामग्री A: 14 नग, सामग्री B: 6 नग

Question Number : 156 Question Id : 16794313871 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A question bank consisting of 300 easy true/false questions, 200 difficult true/false questions, 500 easy multiple choice questions and 400 difficult multiple choice questions. If a question is selected at random from the question bank, what is the probability that it will be an easy question, given that it is a multiple choice question?

Options :

1. ✖ $\frac{5}{14}$

2. ✔ $\frac{5}{9}$

3. ✖ $\frac{9}{14}$

4. ✖ $\frac{5}{11}$

Question Number : 156 Question Id : 16794313871 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक प्रश्न बैंक में कुल 300 आसान सही/गलत प्रश्न, 200 कठिन सही/गलत प्रश्न, 500 आसान बहु-विकल्पी प्रश्न और 400 कठिन बहु-विकल्पी प्रश्न हैं। अगर यादृच्छिक (रैंडम) तौर पर बैंक से प्रश्न का चयन किया जाता है तो इसकी संभावना क्या है कि वह एक आसान प्रश्न होगा, अगर दिया गया हो कि यह एक बहु-विकल्पी प्रश्न होगा?

Options :

1. ✖ $\frac{5}{14}$

2. ✔ $\frac{5}{9}$

3. ✖ $\frac{9}{14}$

4. ✖ $\frac{5}{11}$

Question Number : 157 Question Id : 16794313872 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

For a binomial distribution, the sum of its mean and variance for 125 trials is 124.8. The distribution is:

Options :

1. ✖ $125_{c_x}\left(\frac{1}{25}\right)^x\left(\frac{24}{25}\right)^{125-x}, 0 \le x \le 125$

2. ✔ $125_{c_x}\left(\frac{24}{25}\right)^x\left(\frac{1}{25}\right)^{125-x}, 0 \le x \le 125$

3. ✖ $125_{c_x}\left(\frac{23}{25}\right)^x\left(\frac{2}{25}\right)^{125-x}, 0 \le x \le 125$

4. ✖ $125_{c_x}\left(\frac{2}{25}\right)^x\left(\frac{23}{25}\right)^{125-x}, 0 \le x \le 125$

Question Number : 157 Question Id : 16794313872 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

द्विपद वितरण में 125 ट्रायल के लिए इसके माध्य और प्रसरण का योग 124.8 हैं तो वितरण है:

Options :

1. ✖ $125_{c_x}\left(\frac{1}{25}\right)^{x}\left(\frac{24}{25}\right)^{125-x}, 0 \le x \le 125$

2. ✔ $125_{c_x}\left(\frac{24}{25}\right)^{x}\left(\frac{1}{25}\right)^{125-x}, 0 \le x \le 125$

3. ✖ $125_{c_x}\left(\frac{23}{25}\right)^{x}\left(\frac{2}{25}\right)^{125-x}, 0 \le x \le 125$

4. ✖ $125_{c_x}\left(\frac{2}{25}\right)^{x}\left(\frac{23}{25}\right)^{125-x}, 0 \le x \le 125$

Question Number : 158 Question Id : 16794313873 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

For a random variable X, if E[X] = Var (X), then probability mass function of X is given as:

Options :

1. ✖ $P(X = i) = {}^{n} c_i p^i (1-p)^{n-i}, i = 0,1,\ldots,n$

2. ✔ $P(X = i) = \frac{e^{-\lambda}\lambda^i}{i!}, i \ge 0$, with parameter λ

3. ✖ $P(X = i) = p(1-p)^{i-1}, i = 1,2,3,\ldots$

4. ✖ $P(X = x) = \frac{1}{\sqrt{2\pi}.\sigma}\int_{-\infty}^{x} e^{-\frac{(x-\mu)^2}{2\sigma^2}}\, dx$, with parameters μ and σ^2

Question Number : 158 Question Id : 16794313873 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एकयादृच्छिक चर X के लिए अगर E[X] = Var (X) है तो X के संभावित द्रव्यमान फलन को किस रूप में अभिव्यक्त किया जाएगा?

Options :

1. ✖ $P(X = i) = {}^{n} c_i p^i (1-p)^{n-i}, i = 0,1,\ldots,n$

2. ✔ $P(X = i) = \frac{e^{-\lambda}\lambda^i}{i!}, i \ge 0$, पैरामीटर λ के साथ

3. ✖ $P(X = i) = p(1-p)^{i-1}, i = 1,2,3,\ldots$

4. ✖ $P(X = x) = \frac{1}{\sqrt{2\pi}.\sigma}\int_{-\infty}^{x} e^{-\frac{(x-\mu)^2}{2\sigma^2}}\, dx$, पैरामीटर μ और σ^2 के साथ

Question Number : 159 Question Id : 16794313874 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If a population is infinite, the sampling is random and σ^2 is the variance of the population, then the variance of the sampling distribution of means is given by:

Options :

1. ✖ σ^2

2. ✖ $\left(\frac{J}{n}\right)^2$

3. ✖ $n\sigma^2$

4. ✔ $\frac{\sigma^2}{n}$

Question Number : 159 Question Id : 16794313874 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर आबादी अपरिमित हो तो नमूनाकरण यादृच्छिक (रैंडम) है और σ^2 आबादी का प्रसरण है, तो मान नमूनाकरण वितरण _____ के रूप में दिया जाता है।

Options :

1. ✖ σ^2

2. ✖ $\left(\frac{J}{n}\right)^2$

3. ✖ $n\sigma^2$

4. ✔ $\frac{\sigma^2}{n}$

Question Number : 160 Question Id : 16794313875 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Consider nsample points for variables x and y. To fit the least squares parabola $y = a + bx + cx^2$ to this data, the normal equations are:

Options :

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1. ✖ $\sum y = na + b\sum x^2 + c\sum x^3,$
$\sum y = a\sum x + b\sum x^3 + c\sum x^4$

2. ✖ $\sum x = na + b\sum y^2 + c\sum y^3,$
$\sum yx = a\sum y + b\sum y^3 + c\sum y^4$

3. ✖ $\sum x = na + b\sum y + c\sum y^2,$
$\sum yx = a\sum y + b\sum y^2 + c\sum y^3$
$\sum y^2 = a\sum y^2 + b\sum y^3 + c\sum y^4$

4. ✔ $\sum y = na + b\sum x + c\sum x^2,$
$\sum xy = a\sum x + b\sum x^2 + c\sum x^3$
$\sum x^2y = a\sum x^2 + b\sum x^3 + c\sum x^4$

Question Number : 160 Question Id : 16794313875 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

चर x और Y के लिए n नमूना बिंदु पर विचार करें। लघुतम वर्ग परवलय $y = a + bx + cx^2$ को इस डेटा में समायोजित करने हेतु सामान्य समीकरण हैं:

Options :

1. ✖ $\sum y = na + b\sum x^2 + c\sum x^3,$
$\sum y = a\sum x + b\sum x^3 + c\sum x^4$.

2. ✖ $\sum x = na + b\sum y^2 + c\sum y^3,$
$\sum yx = a\sum y + b\sum y^3 + c\sum y^4$

3. ✖
$$\sum x = na + b\sum y + c\sum y^2,$$
$$\sum yx = a\sum y + b\sum y^2 + c\sum y^3$$
$$\sum y^2 = a\sum y^2 + b\sum y^3 + c\sum y^4$$

4. ✔
$$\sum y = na + b\sum x + c\sum x^2,$$
$$\sum xy = a\sum x + b\sum x^2 + c\sum x^3$$
$$\sum x^2y = a\sum x^2 + b\sum x^3 + c\sum x^4$$

Subject Related

Group Number :	9
Group Id :	167943462
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20
Revisit allowed for group Instructions? :	Yes
Maximum Instruction Time:	0
Minimum Instruction Time:	0

Subject Related

Section Id :	167943527
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	20
Number of Questions to be attempted:	20
Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	167943872
Question Shuffling Allowed :	Yes

Question Number : 161 Question Id : 16794313876 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

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A box of apples is inspected by examining three randomly selected apples drawn without replacement. If all the three apples are good, the box is approved for sale, otherwise it is rejected. Find the probability that a box containing 15 apples, out of which 12 are good and 3 are bad ones, will be approved for sale.

Options :

1. ✖ $\frac{12}{15}$

2. ✔ $\frac{44}{91}$

3. ✖ $\frac{12}{91}$

4. ✖ $\frac{10}{91}$

Question Number : 161 Question Id : 16794313876 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

यादृच्छिक रूप से तीन सेब निकालकर सेब के एक बक्से का परीक्षण बिना उन सेबों को फिर से बक्से में रखकर किया जाता है। अगर सभी तीनों सेब अच्छे हैं तो बक्से को बिक्री के लिए अनुमोदित कर दिया जाता है अन्यथा इसे ठुकरा दिया जाता है। तो इस बात की संभावना ज्ञात कीजिए कि बिक्री के लिए अनुमोदित किए गए 15 सेबों वाले बक्से में 12 सेव अच्छे और 3 सेव खराब होंगे।

Options :

1. ✖ $\frac{12}{15}$

2. ✔ $\frac{44}{91}$

3. ✖ $\frac{12}{91}$

4. ✖ $\frac{10}{91}$

Question Number : 162 Question Id : 16794313877 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

What should be filled at the places of 1, 2 and 3 to make the statement correct? For equal class-intervals, the frequency polygon is obtained by joining the 1 of the upper sides of the adjacent 2 of the histogram by means of 3?

Options :

1. ✖ 1-left corners, 2-rectangles, 3-freehand curves

2. ✔ 1-middle points, 2-rectangles, 3-straight lines

3. ✖ 1-middle points, 2-triangles, 3-straight lines

4. ✖ 1-right corners, 2-rectangles, 3-freehand curves

Question Number : 162 Question Id : 16794313877 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

1, 2 और 3 की जगह क्या भरे जाने चाहिए ताकि कथन सही हो? समान कक्षा अंतराल के लिए आवृत्ति बहुभुज की प्राप्ति समीपस्थ 2 हिस्टोग्राम के ऊपरी भागों के 1 को मिलकार 3 के माध्य से की जाती है।

Options :

1. ✖ 1-बायॉ कोना, 2-आयतें, 3-फ्रीहैंड वक्र

2. ✔ 1-मध्य बिंदु, 2- आयतें, 3- सीधी रेखाएँ

3. ✖ 1-मध्य बिंदु, 2- त्रिभुज, 3- सीधी रेखाएँ

4. ✖ 1-समकोण कोना, 2- आयतें, 3- फ्रीहैंड वक्र

Question Number : 163 Question Id : 16794313878 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

For a given series of items, if we add "a" to every item and multiply every item by "b", then arithmetic mean of the series:

Options :

1. ✖ increases by 'a' and divided by 'b'

2. ✖ diminishes by 'a' and multiplied by 'b'

3. ✖ diminishes by 'a' and divided by 'b'

4. ✔ increases by 'a' and multiplied by 'b'

Question Number : 163 Question Id : 16794313878 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सामग्रियों की दी गई एक श्रृंखला में अगर हम प्रत्येक सामग्री के साथ "a" जोड़ते हैं और हर सामग्री को "b" से गुणा करते हैं तो श्रृंखला का अंकगणितीय माध्य क्या होगा?

Options :

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1. ✖ वह 'a' से बढ़ता है और 'b' से विभाजित होता है

2. ✖ वह 'a' से घटता है और 'b' से गुणित होता है

3. ✖ वह 'a' से घटता है और 'b' से विभिाजित होता है

4. ✔ वह 'a' से बढ़ता है और 'b' से गुणित होता है

Question Number : 164 Question Id : 16794313879 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

For a moderately skewed distribution having median and mode as 132 m and 135.5 m respectively, the most probable mean is:

Options :

1. ✖ 131.5 m

2. ✖ 129.75 m

3. ✔ 130.25 m

4. ✖ 130.75 m

Question Number : 164 Question Id : 16794313879 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक मध्यम स्तर पर झुके वितरण (moderately skewed distribution) के लिए माध्यिका और बहुलक क्रमश: 132 मीटर और 135 मीटर है, तो सबसे संभाव्य माध्य क्या होगा?

Options :

1. ✖ 131.5 मीटर

2. ✖ 129.75 मीटर

3. ✔ 130.25 मीटर

4. ✖ 130.75 मीटर

Question Number : 165 Question Id : 16794313880 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The curves that arise for a distribution in which frequencies decrease with significant rapidity on one side of the maximum than on the other, are called:

Options :

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1. ✖ Extremely asymmetrical curves

2. ✖ U-shaped curves

3. ✔ Skewed curves

4. ✖ Symmetrical curves

Question Number : 165 Question Id : 16794313880 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

वितरण के लिए उत्पन्न वक्र जिनमें अधिकतम के अन्य की तुलना में एक भाग में आवृत्ति तेजी के साथ कम होती है, उसे _____ कहा जाता है।

Options :

1. ✖ अत्यंत असममितिक (एसिमिट्रीकल) वक्र

2. ✖ U-आकार के वक्र

3. ✔ झुके हुए वक्र

4. ✖ सममितिक (सिमिट्रीकल) वक्र

Question Number : 166 Question Id : 16794313881 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In ΔABC, CD is the angular bisector of the angle $\angle ACB$, then CD is equal to _____.

Options :

1. ✔ $\frac{2ab\cos\left(\frac{c}{2}\right)}{a+b}$

2. ✖ $\frac{2(a+b)}{ab}\cos\left(\frac{c}{2}\right)$

3. ✖ $\frac{(a+b)}{ab}\cos\left(\frac{c}{2}\right)$

4. ✖ $\frac{ab}{2(a+b)}\cos\left(\frac{c}{2}\right)$

Question Number : 166 Question Id : 16794313881 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

त्रिभुज ΔABC में CD कोण $\angle ACB$ का, कोणीय द्विभाजक है तो CD _____ बराबर है।

Options :

1. ✔ $\frac{2ab\cos\left(\frac{c}{2}\right)}{a+b}$

2. ✖ $\frac{2(a+b)}{ab}\cos\left(\frac{c}{2}\right)$

3. ✖ $\frac{(a+b)}{ab}\cos\left(\frac{c}{2}\right)$

4. ✖ $\frac{ab}{2(a+b)}\cos\left(\frac{c}{2}\right)$

Question Number : 167 Question Id : 16794313882 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The least positive value of x which satisfies the equation $\log_2 \sin x - \log_2(1+\tan x) - \log_2(1-\tan x) = -1$ is:

Options :

1. ✖ $\frac{-\pi}{4}$

2. ✖ $\frac{-\pi}{8}$

3. ✖ $\frac{\pi}{4}$

4. ✔ $\frac{\pi}{8}$

Question Number : 167 Question Id : 16794313882 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

x का न्यूनतम संभव मान क्या होगा जो समीकरण $\log_2 \sin x - \log_2(1+\tan x) - \log_2(1-\tan x) = -1$ को संतुष्ट करता हो।

Options :

1. ✖ $\frac{-\pi}{4}$

2. ✖ $\frac{-\pi}{8}$

3. ✖ $\frac{\pi}{4}$

4. ✔ $\frac{\pi}{8}$

Question Number : 168 Question Id : 16794313883 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The function $f(x) = \cot^{-1}\sqrt{x(x+3)} + \cos^{-1}\sqrt{(x^2+3x+1)}$ is defined on the set X, where $= ?$

Options :

1. ✖ {0,3}

2. ✖ (0,3)

3. ✔ {0,-3}

4. ✖ [-3,0]

Question Number : 168 Question Id : 16794313883 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

फलन $f(x) = \cot^{-1}\sqrt{x(x+3)} + \cos^{-1}\sqrt{(x^2+3x+1)}$ को X के समुच्चय पर परिभाषित किया जाता है, जहां $X =$

Options :

1. ✖ {0,3}

2. ✖ (0,3)

3. ✔ {0,-3}

4. ✖ [-3,0]

Question Number : 169 Question Id : 16794313884 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If $\alpha + \beta = \frac{\pi}{2}$ and $\beta + \gamma = \alpha$, then $\tan\alpha$ equals:

Options :

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1. ✗ $2(\tan\beta+\tan\gamma)$

2. ✗ $\tan\beta+\tan\gamma$

3. ✓ $\tan\beta+2\tan\gamma$

4. ✗ $2\tan\beta+\tan\gamma$

Question Number : 169 Question Id : 16794313884 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर $\alpha+\beta=\frac{\pi}{2}$ और $\beta+\gamma=\alpha$ है, तो $\tan\alpha$ बराबर है:

Options :

1. ✗ $2(\tan\beta+\tan\gamma)$

2. ✗ $\tan\beta+\tan\gamma$

3. ✓ $\tan\beta+2\tan\gamma$

4. ✗ $2\tan\beta+\tan\gamma$

Question Number : 170 Question Id : 16794313885 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

From the top of a light-house 60 metres high with its base at the sea-level, the angle of depression of a boat is 15°. The distance of the boat from the foot of the light-house is:

Options :

1. ✗ $60\left(\frac{\sqrt{3}-1}{\sqrt{3}+1}\right)$ metres

2. ✓ $60\left(\frac{\sqrt{3}+1}{\sqrt{3}-1}\right)$ metres

3. ✗ $\left(\frac{\sqrt{3}-1}{\sqrt{3}+1}\right)^2$ metres

4. ✗ $\left(\frac{\sqrt{3}-1}{\sqrt{3}+1}\right)$ metres

Question Number : 170 Question Id : 16794313885 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

समुद्र सतह पर आधार तल वाले प्रकाश मीनार की ऊंचाई 60 मीटर है और नाव का अवनति कोण 15° है। तो प्रकाश मीनार के आधार स्थल से नाव की दूरी क्या है?

Options :

1. ✖ $60\left(\frac{\sqrt{3}-1}{\sqrt{3}+1}\right)$ मीटर

2. ✔ $60\left(\frac{\sqrt{3}+1}{\sqrt{3}-1}\right)$ मीटर

3. ✖ $\left(\frac{\sqrt{3}-1}{\sqrt{3}+1}\right)^2$ मीटर

4. ✖ $\left(\frac{\sqrt{3}-1}{\sqrt{3}+1}\right)$ मीटर

Question Number : 171 Question Id : 16794313886 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of Euclid's Postulates states that any straight line segments can be extended indefinitely in a straight line?

Options :

1. ✖ First

2. ✔ Second

3. ✖ Third

4. ✖ Fourth and Fifth

Question Number : 171 Question Id : 16794313886 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से यूक्लिड का कौन सा पास्चुलेट कहता है कि ऋजु रेखा के खंड को अपरिमित रूप से ऋजु रेखा में बढ़ाया जा सकता है?

Options :

1. ✖ प्रथम

2. ✔ द्वितीय

3. ✖ तृतीय

4. ✖ चौथा और पाँचवां

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Question Number : 172 Question Id : 16794313887 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In a ΔABC, let D, E, F be the points on lines BC, CA and AB respectively such that lines AD, BE and CF are concurrent. If the product of lengths of BD, CE and AF is 122 cm^3, then the product of lengths of DC, EA and FB will be:

Options :

1. ✖ 125 cm^3

2. ✖ 61 cm^3

3. ✖ 244 cm^3

4. ✔ 122 cm^3

Question Number : 172 Question Id : 16794313887 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

ΔABC में मान लें कि D, E, F रेखा BC, CA और AB पर क्रमश: बिंदुएँ हैं और यह इस तरह है कि रेखाएं AD, BE और CF समवर्ती है। अगर लंबाई BD, CE और AF का गुणनफल 122 cm^3 है, तो लंबाई DC, EA और FB का गुणनफल क्या होगा?

Options :

1. ✖ 125 cm^3

2. ✖ 61 cm^3

3. ✖ 244 cm^3

4. ✔ 122 cm^3

Question Number : 173 Question Id : 16794313888 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In a parallelogram ABCD, the diagonals AC and BD intersect each other at point P. If the sum of the area of ΔAPB and ΔAPD is 137 cm^2, then the sum of areas of triangles ΔBPC and ΔDPC is:

Options :

1. ✖ 180 cm^2

2. ✔ 137 cm^2

3. ✖ 274 cm^2

4. ✖ 227 cm^2

Question Number : 173 Question Id : 16794313888 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक समानांतर चतुर्भुज ABCD में विकर्ण AC और BD बिंदु P पर एक-दूसरे को काटते हैं । अगर $\triangle BPC$ और $\triangle DPC$ के क्षेत्रफल का योग $137\,cm^2$ है, तो त्रिभुज $\triangle BPC$ और $\triangle DPC$ का योग कितना होगा?

Options :

1. ✖ $180\ cm^2$

2. ✔ $137\ cm^2$

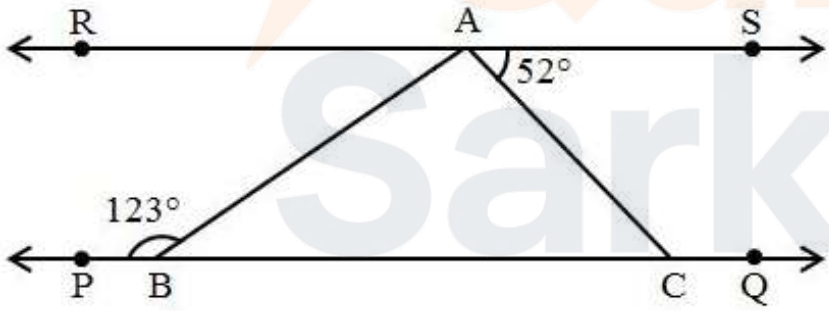
3. ✖ $274\ cm^2$

4. ✖ $227\ cm^2$

Question Number : 174 Question Id : 16794313889 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In the given figure, RS | PQ, $\angle CAS = 52°$, $\angle ABP = 123°$. Then the angles of ΔABC are?



Options :

1. ✖ 38°, 52°, 90°

2. ✖ 33°, 85°, 65°

3. ✔ 52°, 57°, 71°

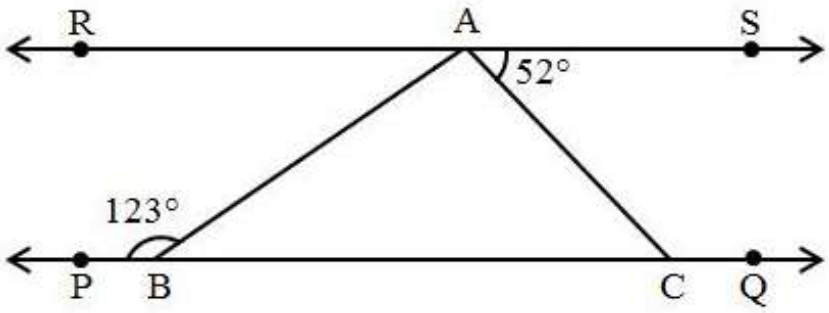
4. ✖ 85°, 38°, 57°

Question Number : 174 Question Id : 16794313889 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

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दिए गए चित्र में RS ∥ PQ, ∠CAS = 52°, ∠ABP = 123° है तो △ABC के कोण क्या होंगे?



Options :

1. ✖ 38°, 52°, 90°

2. ✖ 33°, 85°, 65°

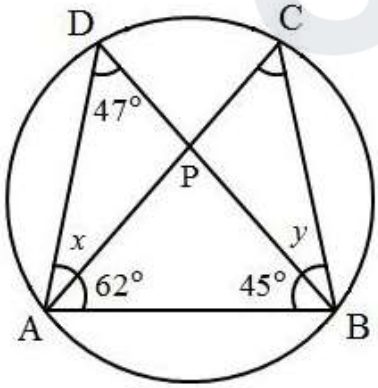
3. ✔ 52°, 57°, 71°

4. ✖ 85°, 38°, 57°

Question Number : 175 Question Id : 16794313890 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In the given Figure, A, B, C, D are four points on a circle. BD and AC intersect at point P such that ∠PAB = 62°, ∠PBA = 45°, ∠ADB = 47°. Then, which of the following is true?



Options :

1. ✖ $x \neq y$

2. ✖ $x = y = 47°$

3. ✔ $x = y = 26°$

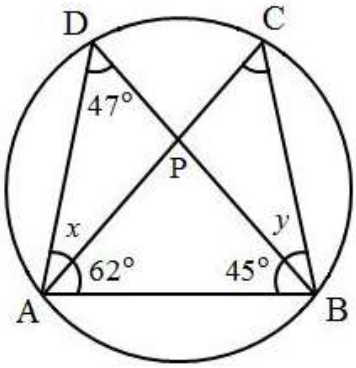
4. ✖ $x = y = 45°$

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Question Number : 175 Question Id : 16794313890 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

दिए गए चित्र में A, B, C, D एक वृत्त के चार बिंदुएँ हैं। BD और AC बिंदु P पर एक-दूसरे को इस तरह काटता है कि ∠PAB = 62°, ∠PBA = 45°, ∠ADB = 47° होता है। तो निम्नलिखित में से कौन सत्य है?



Options :

1. ✖ $x \neq y$

2. ✖ $x = y = 47°$

3. ✔ $x = y = 26°$

4. ✖ $x = y = 45°$

Question Number : 176 Question Id : 16794313891 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The number $0.\overline{43}$ in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$, can be written as:

Options :

1. ✖ $\frac{4}{9}$

2. ✔ $\frac{43}{99}$

3. ✖ $\frac{57}{99}$

4. ✖ $\frac{53}{99}$

Question Number : 176 Question Id : 16794313891 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

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संख्या $0.\overline{43}$ $\frac{p}{q}$, के प्रारूप में है, जहाँ p और q पूर्णांक है और $q \neq 0$ है, जिसे इस रूप में लिखा जा सकता है:

Options :

1. ✖ $\frac{4}{9}$

2. ✔ $\frac{43}{99}$

3. ✖ $\frac{57}{99}$

4. ✖ $\frac{53}{99}$

Question Number : 177 Question Id : 16794313892 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The number $\sqrt{7}$ when written in decimal form, results in:

Options :

1. ✖ terminating and non-recurring

2. ✖ terminating and recurring

3. ✔ non-terminating and non-recurring

4. ✖ non-terminating and recurring

Question Number : 177 Question Id : 16794313892 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

जब संख्या $\sqrt{7}$ को दशमलव के प्रारूप में लिखा जाता है तो क्या परिणाम होता है?

Options :

1. ✖ दशमलव समाप्त करने वाला और अनावर्ती

2. ✖ दशमलव समाप्त करने वाला और आवर्ती

3. ✔ दशमलव समाप्त नहीं करने वाला (non-terminating) और अनावर्ती

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4. ✖ दशमलव समाप्त नहीं करने वाला (non-terminating) और आवर्ती

Question Number : 178 Question Id : 16794313893 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Simplify: $(625)^{\frac{6}{8}} + (2401)^{\frac{3}{4}}$

Options :

1. ✔ 468

2. ✖ 486

3. ✖ 448

4. ✖ 484

Question Number : 178 Question Id : 16794313893 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सरलीकृत करें: $(625)^{\frac{6}{8}} + (2401)^{\frac{3}{4}}$

Options :

1. ✔ 468

2. ✖ 486

3. ✖ 448

4. ✖ 484

Question Number : 179 Question Id : 16794313894 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Any positive odd integer can be written in the form:

Options :

1. ✖ 3q or 3q + 1 or 3q + 2, where q is some non-negative integer.

2. ✔ 6q + 1 or 6q + 3 or 6q + 5, where q is some non-negative integer.

3. ✖ 6q or 6q + 1 or 6q + 2 or 6q + 3 or 6q + 4 or 6q + 5, where q is some non-negative integer.

4. ✖ 6q or 6q + 2 or 6q + 4, where q is some non-negative integer.

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Question Number : 179 Question Id : 16794313894 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

कोई भी धनात्मक विषम पूर्णांक को किस प्रारूप में लिखा जा सकता है?

Options :

1. ✗ 3q या 3q+1 या 3q+2, जहाँ q कोई गैर-ऋणात्मक पूर्णांक है।

2. ✓ 6q+1 या 6q+3 या 6q+5, जहाँ q कोई गैर-ऋणात्मक पूर्णांक है।

3. ✗ 6q या 6q+1 या 6q+2 या 6q+3 या 6q+4 या 6q+5, जहाँ q कोई गैर-ऋणात्मक पूर्णांक है।

4. ✗ 6q या 6q+2 या 6q+4, जहाँ q कोई गैर-ऋणात्मक पूर्णांक है।

Question Number : 180 Question Id : 16794313895 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Find the HCF of two numbers whose product is 1596 and LCM is 798.

Options :

1. ✗ 3

2. ✗ 1

3. ✓ 2

4. ✗ 4

Question Number : 180 Question Id : 16794313895 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

दो संख्या जिसका गुणनफल 1596 और लघुत्तम समावर्त्य (LCM) 798 है, उसका महत्तम समापवर्तक (HCF) ज्ञात करें।

Options :

1. ✗ 3

2. ✗ 1

3. ✓ 2

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4. ✖ 4

Subject Related

Group Number :	10
Group Id :	167943463
Group Maximum Duration :	0
Group Minimum Duration :	120
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20
Revisit allowed for group Instructions? :	Yes
Maximum Instruction Time:	0
Minimum Instruction Time:	0

Subject Related

Section Id :	167943528
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	20
Number of Questions to be attempted:	20
Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	167943873
Question Shuffling Allowed :	Yes

Question Number : 181 Question Id : 16794313896 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is a polynomial of degree 1 in one variable?

Options :

1. ✖ $2x + 3\sqrt{x} - 3$

2. ✖ $3x - \frac{4}{x} + 2$

3. ✔ $\left(\frac{1}{x}\right)(2x + 3x^2)$

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4. ✖ $(x^{\frac{3}{2}}+\sqrt{x})^2$

Question Number : 181 Question Id : 16794313896 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से कौन एक चर में डिग्री 1 का बहुपद है?

Options :

1. ✖ $2x+3\sqrt{x}-3$

2. ✖ $3x-\frac{4}{x}+2$

3. ✔ $\left(\frac{1}{x}\right)(2x+3x^2)$

4. ✖ $(x^{\frac{3}{2}}+\sqrt{x})^2$

Question Number : 182 Question Id : 16794313897 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If the remainder on dividing the polynomial $x^4+3x^2-4x^2+ax+5$ by $x+2$ is -33, then the value of a is:

Options :

1. ✖ 6

2. ✖ 8

3. ✖ 5

4. ✔ 7

Question Number : 182 Question Id : 16794313897 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर बहुपद $x^4+3x^2-4x^2+ax+5$ को $x+2$ से भाग दिया जाता है तो -33 शेष रहता है, तो a का मान क्या है?

Options :

1. ✖ 6

2. ✖ 8

3. ✖ 5

4. ✔ 7

Question Number : 183 Question Id : 16794313898 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If $a = \left(x^{\frac{2}{3}} - x^{\frac{-2}{3}}\right)^3$, then $a^3 + 3a$ will be equal to:

Options :

1. ✖ $x^3 + \frac{1}{x^3}$

2. ✖ $x + \frac{1}{x}$

3. ✔ $x^2 - \frac{1}{x^2}$

4. ✖ $2(x^2 + \frac{1}{x^2})$

Question Number : 183 Question Id : 16794313898 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर $a = \left(x^{\frac{2}{3}} - x^{\frac{-2}{3}}\right)^3$ हो तो $a^3 + 3a$ _____ के बराबर होगा।

Options :

1. ✖ $x^3 + \frac{1}{x^3}$

2. ✖ $x + \frac{1}{x}$

3. ✔ $x^2 - \frac{1}{x^2}$

4. ✖ $2(x^2 + \frac{1}{x^2})$

Question Number : 184 Question Id : 16794313899 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

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Correct Marks : 1 Wrong Marks : 0.25

Zeroes of polynomial $2x^3 - x^2 - 2x + 1$ are:

Options :

1. ✖ $2, \frac{1}{2}, 1$

2. ✔ $-1, 1, \frac{1}{2}$

3. ✖ $-1, -2, -\frac{1}{2}$

4. ✖ $-2, 1, 2$

Question Number : 184 Question Id : 16794313899 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

बहुपद $2x^3 - x^2 - 2x + 1$ के शून्य हैं:

Options :

1. ✖ $2, \frac{1}{2}, 1$

2. ✔ $-1, 1, \frac{1}{2}$

3. ✖ $-1, -2, -\frac{1}{2}$

4. ✖ $-2, 1, 2$

Question Number : 185 Question Id : 16794313900 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is a monomial in one variable of degree 7?

Options :

1. ✔ $\sqrt{[(x^7 + 1)(x^7 - 1) + 1]}$

2. ✖ $(x^7 + 1)^2 (x^7 - 1)^2$

3. ✖ $x^7 - 1$

4. ✖ $x^7 + 1$

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Question Number : 185 Question Id : 16794313900 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में कौन डिग्री 7 के एक चर का एक पद है?

Options :

1. ✔ $\sqrt{[(x^7+1)(x^7-1)+1]}$

2. ✖ $(x^7+1)^2(x^7-1)^2$

3. ✖ x^7-1

4. ✖ x^7+1

Question Number : 186 Question Id : 16794313901 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The area of an isosceles triangle whose unequal side is 7 cm and perimeter is 25 cm will be:

Options :

1. ✖ $\frac{89}{100}\sqrt{15}$

2. ✖ $\frac{85}{100}\sqrt{15}$

3. ✔ $\frac{875}{100}\sqrt{11}$

4. ✖ $\frac{87}{100}\sqrt{11}$

Question Number : 186 Question Id : 16794313901 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक समद्विबाहु त्रिभुज जिसकी असमान भुजा 7 सेंटीमीटर और परिमिती 25 सेंटीमीटर है, उसका क्षेत्रफल क्या होगा?

Options :

1. ✖ $\frac{89}{100}\sqrt{15}$

2. ✖ $\frac{85}{100}\sqrt{15}$

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3. ✔ $\frac{875}{100}\sqrt{11}$

4. ✖ $\frac{87}{100}\sqrt{11}$

Question Number : 187 Question Id : 16794313902 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The area of a quadrilateral ABCD with BC = 26 cm, CD = 9 cm, AC = 28 cm, perimeter of ΔABC = 84 cm, perimeter of ΔADC = 72 cm, will be:

Options :

1. ✔ 424.18 cm^2

2. ✖ 786 cm^2

3. ✖ 867 cm^2

4. ✖ 876 cm^2

Question Number : 187 Question Id : 16794313902 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक चतुर्भुज ABCD जिसकी BC = 26 सेंटीमीटर, CD = 9 सेंटीमीटर, AC = 28 सेंटीमीटर और ΔABC की परिमिती 84 सेंटीमीटर और ΔADC की परिमिती 72 सेंटीमीटर है, उसका क्षेत्रफल क्या होगा?

Options :

1. ✔ 424.18 वर्ग सेंटीमीटर

2. ✖ 786 वर्ग सेंटीमीटर

3. ✖ 867 वर्ग सेंटीमीटर

4. ✖ 876 वर्ग सेंटीमीटर

Question Number : 188 Question Id : 16794313903 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The ratio of surface area to volume of a cuboid will be:

Options :

1. ✖ Twice the sum of sides of the cuboid.

2. ✖ Half the sum of sides of the cuboid.

3. ✔ Twice the sum of reciprocals of the sides of the cuboid.

4. ✖ Half the sum of reciprocals of the sides of the cuboid.

Question Number : 188 Question Id : 16794313903 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

घनाभ के सतह क्षेत्रफल और आयतन का अनुपात होगा:

Options :

1. ✖ घनाभ की भुजाओं के योग का दोगुना।

2. ✖ घनाभ की भुजाओं के योग का आधा।

3. ✔ घनाभ की भुजाओं के व्युत्क्रमों के योग का दोगुना।

4. ✖ घनाभ की भुजाओं के व्युत्क्रमों के योग का आधा।

Question Number : 189 Question Id : 16794313904 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If lateral surface area of a right circular cone with radius 5 cm is $37\ \pi\ cm^2$, then the total surface area of the cone is:

Options :

1. ✖ $62\ cm^2$

2. ✔ $62\ \pi\ cm^2$

3. ✖ $42\ cm^2$

4. ✖ $42\ \pi\ cm^2$

Question Number : 189 Question Id : 16794313904 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

5 सेंटीमीटर की त्रिज्या वाले सम वृत्तीय शंकु का पार्श्व सतह क्षेत्रफल $37\ \pi$ वर्ग सेंटीमीटर है, तो शंकु का कुल सतह क्षेत्रफल क्या होगा?

Options :

1. ✖ 62 वर्ग सेंटीमीटर

2. ✔ 62 π वर्ग सेंटीमीटर

3. ✖ 42 वर्ग सेंटीमीटर

4. ✖ 42 π वर्ग सेंटीमीटर

Question Number : 190 Question Id : 16794313905 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Consider a frustum of a right circular cone such that the product and sum of radii of lower and upper base are 10 cm and 7 cm respectively. If the slant height of the frustum is 21 cm then the volume of the frustum is:

Note: For this question, discrepancy is found in question/answer. So,this question is ignored for all candidates.

Options :

1. $888\ cm^3$

2. $588\ cm^3$

3. $885\ cm^3$

4. $849\ cm^3$

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Question Number : 190 Question Id : 16794313905 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक ऐसे सम वृत्तीय शंकु के छिन्नक (फ्रस्ट्रम) पर विचार करें कि उसकी निचली और ऊपरी त्रिज्याओं का गुणनफल और योग क्रमश: 10 सेंटीमीटर और 7 सेंटीमीटर हो। अगर छिन्नक की तिरछी ऊंचाई 21 सेंटीमीटर हो तो छिन्नक का आयतन क्या होगा?

Note: For this question, discrepancy is found in question/answer. So,this question is ignored for all candidates.

Options :

1. $888\ cm^3$

2. $588\ cm^3$

3. $885\ cm^3$

4. $849\ cm^3$

Sub-Section Id: 167943874
Question Shuffling Allowed : Yes

Question Number : 191 Question Id : 16794313906 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

Choose the most appropriate option from the following.

Development and behavior of individuals is by and large influenced by:

Options :

1. ✖ Genetics

2. ✖ Circumstances

3. ✖ Genetics and circumstances

4. ✔ Interplay of genetics and circumstances

Question Number : 191 Question Id : 16794313906 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित से सबसे उपयुक्त विकल्प चुनें।

व्यक्तियों का विकास और व्यवहार इस प्रकार से प्रभावित होता है:

Options :

1. ✖ जेनेटिक्स

2. ✖ परिस्थिति

3. ✖ जेनेटिक्स और परिस्थितियों

4. ✔ आनुवंशिकी और परिस्थितियों का अंतःक्रिया

Question Number : 192 Question Id : 16794313907 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

One of the distinctive features of distance education is that it:

Options :

1. ✔ Is non-contiguous

2. ✖ Has no curriculum

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3. ✖ Uses only the printed media

4. ✖ Selective about enrolments

Question Number : 192 Question Id : 16794313907 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

दूरस्थ शिक्षा की विशिष्ट विशेषताओं में से एक यह है कि यह:

Options :

1. ✔ गैर संगत है

2. ✖ कोई पाठ्यक्रम नहीं है

3. ✖ केवल मुद्रित मीडिया का उपयोग करता है

4. ✖ नामांकन के बारे में चुनिंदा

Question Number : 193 Question Id : 16794313908 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Motivational levels and abilities can be identified by awareness of which of the following?

Options :

1. ✖ Clinical psychology

2. ✔ Educational psychology

3. ✖ Social psychology

4. ✖ Experimental psychology

Question Number : 193 Question Id : 16794313908 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से किस के बारे में जागरूकता से प्रेरक स्तर और क्षमताओं की पहचान की जा सकती है?

Options :

1. ✖ नैदानिक मनोविज्ञान

2. ✔ शैक्षणिक मनोविज्ञान

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3. ✖ सामाजिक मनोविज्ञान

4. ✖ प्रायोगिक मनोविज्ञान

Question Number : 194 Question Id : 16794313909 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The study of mathematics and logic is categorized under which of the following?

Options :

1. ✖ Computer science

2. ✖ Natural science

3. ✔ Formal science

4. ✖ Physical science

Question Number : 194 Question Id : 16794313909 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

गणित और तर्क का अध्ययन निम्नलिखित में से किस के तहत वर्गीकृत है?

Options :

1. ✖ कंप्यूटर विज्ञान

2. ✖ प्राकृतिक विज्ञान

3. ✔ औपचारिक विज्ञान

4. ✖ भौतिक विज्ञान

Question Number : 195 Question Id : 16794313910 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Complete the sentence with the most appropriate option from the following.

In the Devadasi system young girls are:

Options :

1. ✖ Dedicated to the temples in the name of their families

2. ✖ Offered to fire in name of Gods and Goddesses

3. ✖ Offered to fire in the name of their families

4. ✔ Dedicated to temples in the name of Gods and Goddesses

Question Number : 195 Question Id : 16794313910 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित से सबसे उपयुक्त विकल्प के साथ वाक्य को पूरा करें।

देवदासी प्रणाली में युवा लड़कियां हैं:

Options :

1. ✖ अपने परिवारों के नाम पर मंदिरों को समर्पित

2. ✖ भगवान और देवी के नाम पर आग की पेशकश की

3. ✖ अपने परिवारों के नाम पर आग की पेशकश की

4. ✔ देवताओं और देवियों के नाम पर मंदिरों को समर्पित

Question Number : 196 Question Id : 16794313911 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is not a part of Pedagogical Content Knowledge?

Options :

1. ✖ Knowledge of learners and their characteristic

2. ✔ Knowledge of teachers' competencies

3. ✖ Knowledge of educational contexts

4. ✖ Knowledge of educational purposes

Question Number : 196 Question Id : 16794313911 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से कौन सा शैक्षिक सामग्री ज्ञान का हिस्सा नहीं है?

Options :

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1. ✖ शिक्षार्थियों और उनकी विशेषता का ज्ञान

2. ✔ शिक्षकों की दक्षताओं का ज्ञान

3. ✖ शैक्षिक संदर्भों का ज्ञान

4. ✖ शैक्षणिक उद्देश्यों का ज्ञान

Question Number : 197 Question Id : 16794313912 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

When a mathematics teacher reads aloud and discusses the meaning of an equation, what is he/she helping the students do?

Options :

1. ✖ Remember mathematical symbols

2. ✖ Write mathematical equations

3. ✖ Speak in the mathematical language

4. ✔ Read and comprehend mathematical language

Question Number : 197 Question Id : 16794313912 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

जब एक गणित शिक्षक जोर से पढ़ता है और समीकरण के अर्थ पर चर्चा करता है, तो वह छात्रों की क्या मदद कर रहा है?

Options :

1. ✖ गणितीय प्रतीकों को याद रखें

2. ✖ गणितीय समीकरण लिखें

3. ✖ गणितीय भाषा में बोलो

4. ✔ गणितीय भाषा को पढ़ें और समझें

Question Number : 198 Question Id : 16794313913 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the best option from the following.

A unique feature of including art in education is that it develops in children the ability to:

Options :

1. ✔ Communicate symbolically

2. ✖ Read and comprehend texts

3. ✖ Follow instructions

4. ✖ Guide their peers

Question Number : 198 Question Id : 16794313913 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित से सबसे अच्छा विकल्प चुनें।

शिक्षा में कला समेत एक अनूठी विशेषता यह है कि यह बच्चों में क्षमता विकसित करता है:

Options :

1. ✔ प्रतीकात्मक रूप से संवाद करें

2. ✖ ग्रंथों को पढ़ें और समझें

3. ✖ निर्देशों का अनुसरण करें

4. ✖ अपने साथियों की गाइड करें

Question Number : 199 Question Id : 16794313914 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the best response from the options below.

Experimentation can be defined as:

Options :

1. ✖ Process of observation of demonstrations

2. ✖ Process of observation without control

3. ✔ Process of observation under controlled conditions

4. ✖ Process of observation of nature

Question Number : 199 Question Id : 16794313914 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

नीचे दिए गए विकल्पों से सबसे अच्छी प्रतिक्रिया चुनें।

प्रयोग को इस प्रकार परिभाषित किया जा सकता है:

Options :

1. ✖ प्रदर्शनों के अवलोकन की प्रक्रिया

2. ✖ नियंत्रण के बिना अवलोकन की प्रक्रिया

3. ✔ नियंत्रित स्थितियों के तहत अवलोकन की प्रक्रिया

4. ✖ प्रकृति के अवलोकन की प्रक्रिया

Question Number : 200 Question Id : 16794313915 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the most appropriate option to complete the sentence.

Inclusive environment stems from:

Options :

1. ✖ Student participation

2. ✖ Appropriate infrastructure

3. ✖ Commitment from teachers

4. ✔ Pairing of philosophy and pedagogical practices

Question Number : 200 Question Id : 16794313915 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

वाक्य को पूरा करने के लिए सबसे उपयुक्त विकल्प चुनें।

समावेशी वातावरण से उपजी है:

Options :

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1. ✖ छात्र भागीदारी

2. ✖ उचित आधारभूत संरचना

3. ✖ शिक्षकों से प्रतिबद्धता

4. ✔ दर्शन और शैक्षिक प्रथाओं की जोड़ी

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