Quick Sarkari

DSSSB PREVIOUS YEAR PAPER WITH ANSWER KEY

DSSSB TGT Mathematics (Female)

22 September 2018 · Shift 2

डीएसएसएसबी टीजीटी गणित – 22 सितंबर 2018, शिफ्ट 2 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 2–161
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-2-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 2
Subject Name:	TGT MATHS FEMALE
Creation Date:	2018-09-22 15:41:47
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 :	167943444
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 :	167943509
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: 167943849
Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 16794313512 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

P.V Sindhu is related to badminton in the same way as Virat kohli is related to:

Options :

1. ✔ Cricket

2. ✖ Football

3. ✖ Basket ball

4. ✖ Rukbey

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Question Number : 1 Question Id : 16794313512 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

पी.वी. सिंधु बैडमिंटन से उसी तरह से संबंधित है जैसे विराट कोहली _____ से संबंधित है।

Options :

1. ✔ क्रिकेट

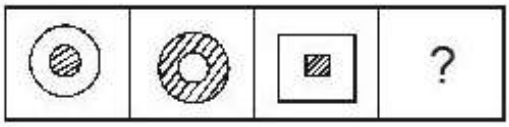
2. ✖ फुटबॉल

3. ✖ बास्केट बॉल

4. ✖ रुक्बे

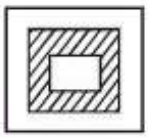
Question Number : 2 Question Id : 16794313513 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

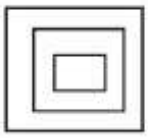
Select the option that is related to the third term in the same way as the

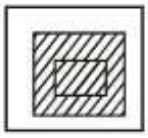


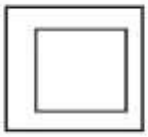
second term is related to the first term.

Options :

1. 

2. 

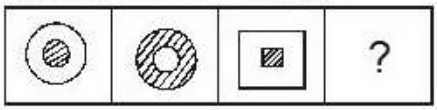
3. 

4. 

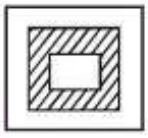
Question Number : 2 Question Id : 16794313513 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

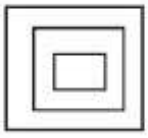
Correct Marks : 1 Wrong Marks : 0.25

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।

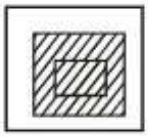


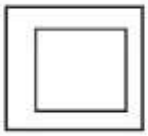
Options :

1. 

2. 

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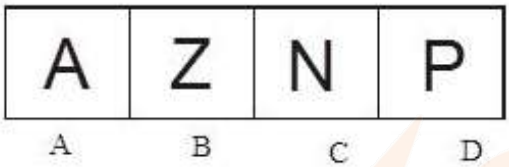
3. ✖ 

4. ✖ 

Question Number : 3 Question Id : 16794313514 Question 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 options:



Options :

1. ✖ A

2. ✖ B

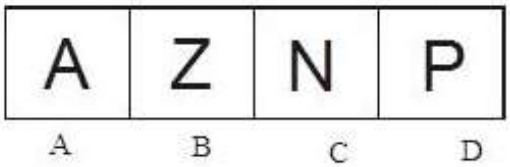
3. ✖ C

4. ✔ D

Question Number : 3 Question Id : 16794313514 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

विकल्पों में से भिन्न अक्षर का चयन करें।



Options :

1. ✖ A

2. ✖ B

3. ✖ C

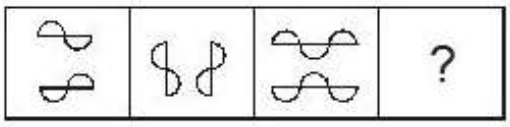
4. ✔ D

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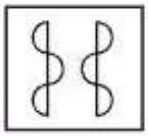
Question Number : 4 Question Id : 16794313515 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

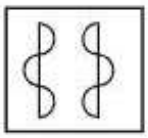
Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित श्रेणी में अगले चित्र को ढूंढें।

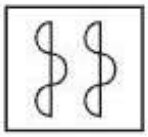


Options :

1. ✔ 

2. ✖ 

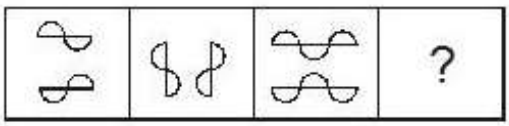
3. ✖ 

4. ✖ 

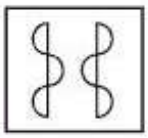
Question Number : 4 Question Id : 16794313515 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

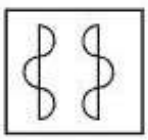
Correct Marks : 1 Wrong Marks : 0.25

Find the next figure in the series.



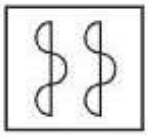
Options :

1. ✔ 

2. ✖ 

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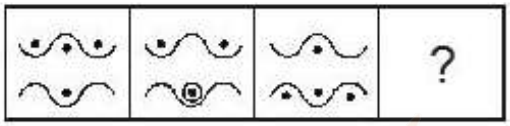
3. ✖ 

4. ✖ 

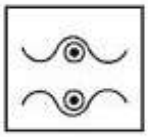
Question Number : 5 Question Id : 16794313516 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

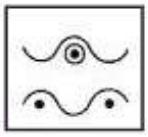
Correct Marks : 1 Wrong Marks : 0.25

Find the next figure in the series.



Options :

1. ✖ 

2. ✔ 

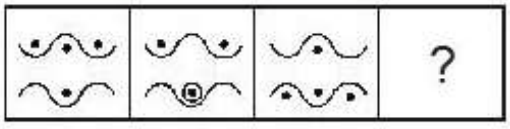
3. ✖ 

4. ✖ 

Question Number : 5 Question Id : 16794313516 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

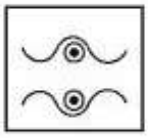
Correct Marks : 1 Wrong Marks : 0.25

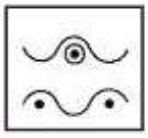
निम्नलिखित श्रेणी में अगले चित्र को ढूंढें।



Options :

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1. ✖ 

2. ✔ 

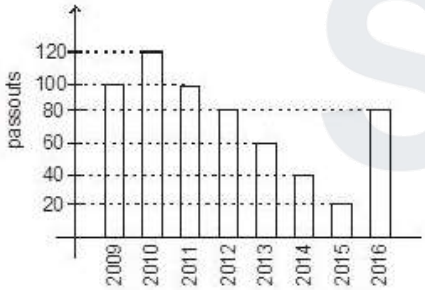
3. ✖ 

4. ✖ 

Question Number : 6 Question Id : 16794313517 Question 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



The number of NTSE pass outs during 2012-2015.

Options :

1. ✖ 100

2. ✖ 150

3. ✖ 175

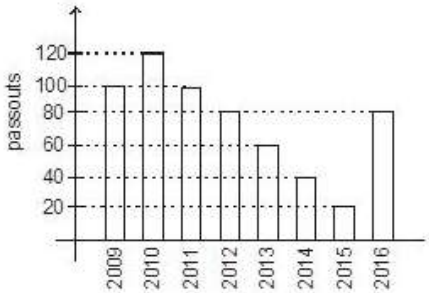
4. ✔ 200

Question Number : 6 Question Id : 16794313517 Question 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 बार चार्ट में पिछले वर्षों में "एक्स.वाई.जेड. (XYZ)" संस्था की एन.टी.एस.ई. (NTSE) उत्तीर्ण होने वालों की सूचना दी गई है। इस चार्ट का ध्यानपूर्वक अध्ययन करें और प्रश्न का उत्तर दें।



वर्ष 2012-2015 के दौरान एन.टी.एस.ई. उत्तीर्ण विद्यार्थियों की संख्या कितनी है?

Options :

1. ✖ 100

2. ✖ 150

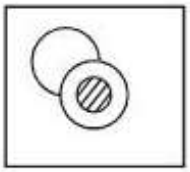
3. ✖ 175

4. ✔ 200

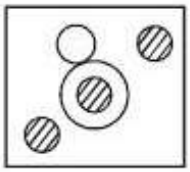
Question Number : 7 Question Id : 16794313518 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

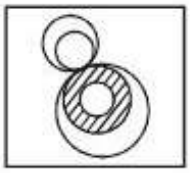
Correct Marks : 1 Wrong Marks : 0.25

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



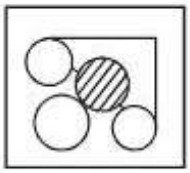
Options :

1. ✖ 

2. ✖ 

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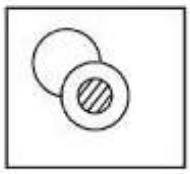
3. ✔ 

4. ✖ 

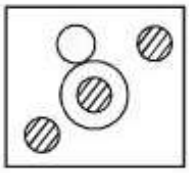
Question Number : 7 Question Id : 16794313518 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

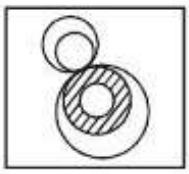
Correct Marks : 1 Wrong Marks : 0.25

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

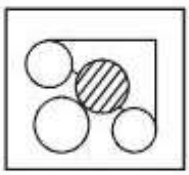


Options :

1. ✖ 

2. ✖ 

3. ✔ 

4. ✖ 

Question Number : 8 Question Id : 16794313519 Question 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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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 atleast 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
Rakul has completed her Engineering in Electrical with 69.5% of marks. She also has cleared written test with 59% of marks. She is also completing 22 years as on April 2018. She is also willing to pay security deposit of 2.5 Lacks. For which position she will be referred?

Options :

1. ✖ Project - Engineer

2. ✖ Engineer - Trainee

3. ✔ Not eligible for any position

4. ✖ Engineer

Question Number : 8 Question Id : 16794313519 Question 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।

नीचे, "एक्स.वाई.जेड. (XYZ)" कंपनी के कुछ पद हेतु योग्याताओं और शर्तों का उल्लेख किया गया है। उम्मीदवार को अनिवार्य रूप से

(a) कम से कम 70% अंक के साथ इंजीनियरिंग स्नातक होना चाहिए

(b) आयु 01/04/2018 को 21 वर्ष से कम तथा 26 वर्ष से अधिक नहीं होनी चाहिए

(c) लिखित परीक्षा में कम से कम 60% अंक के साथ उत्तीर्ण होना चाहिए

(d) ₹ 2.5 लाख की राशि जमा कराने हेतु तैयार होना चाहिए, जिसकी वापसी परिवीक्षा/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 की परीक्षा के परिणाम की घोषणा होनी 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 प्रतिभागी 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 प्रतिभागी (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 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

राकुल ने 69.5% अंक के साथ इलेक्ट्रिल इंजीनियरिंग पूरा किया है। उसने 59% अंक के साथ लिखित परीक्षा भी उत्तीर्ण की है। अप्रैल 2018 को उसकी आयु 22 वर्ष की हो गई है। वह ₹ 2.5 लाख की राशि सुरक्षा के रूप में जमा करने हेतु तैयार है। किस पद के लिए उसकी सिफारिश की जाएगी?

Options :

1. ✖ प्रोजेक्ट-इंजीनियर

2. ✖ इंजीनियर-प्रशिक्षु

3. ✔ किसी भी पद के लिए योग्य नहीं है

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4. ✖ इंजीनियर

Question Number : 9 Question Id : 16794313520 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

You are living in a college hostel. The Dal-Rice served to you in the hostel mess has full of worms and stones. What is the best way to adopt to tackle the situation?

Options :

1. ✖ Leave the stones a side and eat rice

2. ✔ Bring the matter to the notice of in charge of mess

3. ✖ Buy your own rice to cook

4. ✖ Warn the cook about stones in the rice

Question Number : 9 Question Id : 16794313520 Question 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 कॉलेज के हॉस्टल में रह रहे हैं। हॉस्टेल के रसोईघर में परोसे गए दाल-चावल में कई कीड़े-मकोड़े और पत्थर हैं। इस परिस्थिति के समाधान हेतु अनुसरण किया जाने वाला सर्वोत्तम उपाय क्या है?

Options :

1. ✖ पत्थरों को निकाल बगल करके चावल को खाना

2. ✔ रसोईघर के प्रभारी के समक्ष उक्त विषय को प्रस्तुत करना

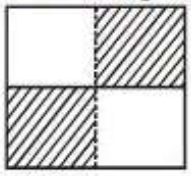
3. ✖ पकाने के लिए अपना चावल स्वयं ही खरीदना

4. ✖ चावल में पत्थरों के बारे में बावर्ची को चेतावनी देना

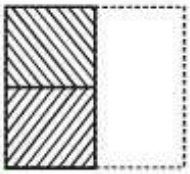
Question Number : 10 Question Id : 16794313521 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

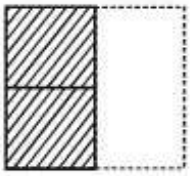
Correct Marks : 1 Wrong Marks : 0.25

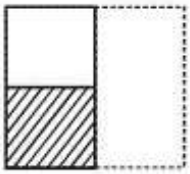
How the pattern would appear when the transparent sheet is folded at the dotted line.

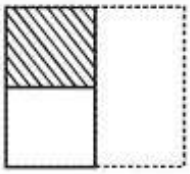


Options :

1. ✔ 

2. ✖ 

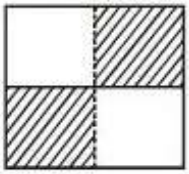
3. ✖ 

4. ✖ 

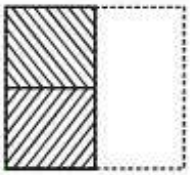
Question Number : 10 Question Id : 16794313521 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

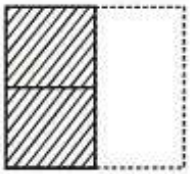
Correct Marks : 1 Wrong Marks : 0.25

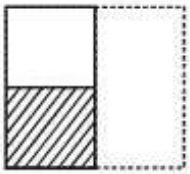
पारदर्शी कागज़ को बिंदुरेखित लाइन पर मोड़ने पर कैसा डिज़ाइन बनेगा?



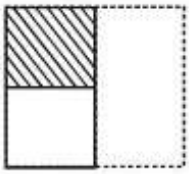
Options :

1. ✔ 

2. ✖ 

3. ✖ 

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4. ✖ 

Question Number : 11 Question Id : 16794313522 Question 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 Bus always has:

Options :

1. ✔ Engine

2. ✖ Air conditioner

3. ✖ Hostess

4. ✖ Tv unit

Question Number : 11 Question Id : 16794313522 Question 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 बस में हमेशा _____ होता है।

Options :

1. ✔ इंजन

2. ✖ वातानुकूलन (एयर कंडीशनर)

3. ✖ परिचारिका (होस्टेस)

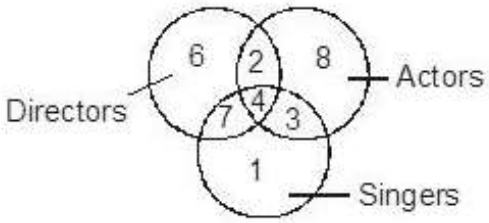
4. ✖ टीवी यूनिट

Question Number : 12 Question Id : 16794313523 Question 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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Study the following carefully and answer the given question:



Which region denotes Actors, who are Signers but not Directors?

Options :

1. ✔ 3

2. ✖ 17

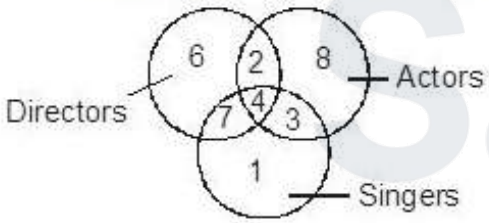
3. ✖ 6

4. ✖ 10

Question Number : 12 Question Id : 16794313523 Question 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 को ध्यान से पढ़ें और दिए गए प्रश्न का उत्तर दें।



कौन सा क्षेत्र अभिनेता जो गायक हैं परंतु निदेशक नहीं हैं, को दर्शाता है?

Options :

1. ✔ 3

2. ✖ 17

3. ✖ 6

4. ✖ 10

Question Number : 13 Question Id : 16794313524 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Sudarshan is father of Manoher. How is Manohar's father's father related to Sudarshan?

Options :

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1. ✔ Father

2. ✖ Brother

3. ✖ Uncle

4. ✖ Cousin

Question Number : 13 Question Id : 16794313524 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सुदर्शन, मनोहर का पिता है। मनोहर के पिता के पिता का सुदर्शन से क्या संबंध है?

Options :

1. ✔ पिता

2. ✖ भाई

3. ✖ अंकल

4. ✖ कज़िन

Question Number : 14 Question Id : 16794313525 Question 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 – means ÷, + means ×, ÷ means –, × means +, find the value of $8 \times 7 + 25 - 5 \div 3$?

Options :

1. ✖ 42

2. ✖ 37

3. ✖ 28

4. ✔ 40

Question Number : 14 Question Id : 16794313525 Question 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 - का अर्थ ÷, + का अर्थ ×, ÷ का अर्थ -, और × का अर्थ + है, तो 8 × 7 + 25 - 5 ÷ 3 के मान का पता लगाएं।

Options :

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1. ✖ 42

2. ✖ 37

3. ✖ 28

4. ✔ 40

Question Number : 15 Question Id : 16794313526 Question 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 Train tickets from city A to B and Two tickets from city A to C cost ₹ 80 but Two tickets from city A to B and four tickets from city A to C cost ₹ 70. What are the fares for cities B and C from A?

Options :

1. ✔ ₹ 15, ₹ 10

2. ✖ ₹ 15, ₹ 25

3. ✖ ₹ 12, ₹ 19

4. ✖ ₹ 13, ₹ 18

Question Number : 15 Question Id : 16794313526 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

शहर A से B तक चार रेल टिकट और शहर A से C तक दो रेल टिकट की लागत ₹ 80 है, परंतु शहर A से B तक दो रेल टिकट एवं शहर A से C तक चार रेल टिकट की लागत ₹ 70 है। A शहर से शहर B और C तक का किराया क्या होगा?

Options :

1. ✔ ₹ 15, ₹ 10

2. ✖ ₹ 15, ₹ 25

3. ✖ ₹ 12, ₹ 19

4. ✖ ₹ 13, ₹ 18

Question Number : 16 Question Id : 16794313527 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

At present, the ratio between the ages of Suma Vanaja is 5 : 7. After 8 years, Suma's age will be 28 years. What is the age of Vanaja at present?

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Options :

1. ✔ 28 years

2. ✖ 20 years

3. ✖ 19 years

4. ✖ 24 years

Question Number : 16 Question Id : 16794313527 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

वर्तमान में सुमा और वनजा की आयु के बीच का अनुपात 5 : 7 है। 8 वर्षों के बाद, सुमा की आयु 28 वर्ष की होगी। वर्तमान में वनजा की आयु कितनी है?

Options :

1. ✔ 28 वर्ष

2. ✖ 20 वर्ष

3. ✖ 19 वर्ष

4. ✖ 24 वर्ष

Question Number : 17 Question Id : 16794313528 Question 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. ✖ Owl : Barn

2. ✖ Bird : Nest

3. ✖ Lion : Den

4. ✔ Mouse : Sty

Question Number : 17 Question Id : 16794313528 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

शब्दों के भिन्न युग्म का पता लगाएं।

Options :

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1. ✖ उल्लू : खलिहान

2. ✖ चिड़िया : घोंसला

3. ✖ शेर : मांद

4. ✔ चुहिया : सूअर बाड़ा

Question Number : 18 Question Id : 16794313529 Question 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 numerals:

Options :

1. ✖ 18 : 56

2. ✖ 11 : 35

3. ✔ 8 : 24

4. ✖ 6 : 20

Question Number : 18 Question Id : 16794313529 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अंकों के भिन्न युग्म का पता लगाएं।

Options :

1. ✖ 18 : 56

2. ✖ 11 : 35

3. ✔ 8 : 24

4. ✖ 6 : 20

Question Number : 19 Question Id : 16794313530 Question 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 would be the next term in the series

9, 12, 18, 30, 54,?

Options :

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1. ✖ 95

2. ✖ 90

3. ✔ 102

4. ✖ 108

Question Number : 19 Question Id : 16794313530 Question 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 अगला अंक क्या होगा?

9, 12, 18, 30, 54, ?

Options :

1. ✖ 95

2. ✖ 90

3. ✔ 102

4. ✖ 108

Question Number : 20 Question Id : 16794313531 Question 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 will be the missing term in the following series

FR, GS, HT, ?

Options :

1. ✖ GM

2. ✖ PK

3. ✖ YE

4. ✔ IU

Question Number : 20 Question Id : 16794313531 Question 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 लापता अक्षर क्या होगा?

FR, GS, HT, ?

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Options :

1. ✖ GM

2. ✖ PK

3. ✖ YE

4. ✔ IU

General Awareness

Group Number :	2
Group Id :	167943445
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 :	167943510
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:	167943850
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 16794313532 Question 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 started Home Rule League at Poona in 1915-16?

Options :

1. ✖ Annie Besant

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2. ✔ Bal Gangadhar Tilak

3. ✖ Bhagat Singh

4. ✖ Sardar Vallabh Bhai Patel

Question Number : 21 Question Id : 16794313532 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

1915-16 में पूना में होम रूल लीग किसने शुरू किया?

Options :

1. ✖ एनी बेसेंट

2. ✔ बाल गंगाधर तिलक

3. ✖ भगत सिंह

4. ✖ सरदार वल्लभ भाई पटेल

Question Number : 22 Question Id : 16794313533 Question 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 introduced the concept of token currency in which brass and copper coins were issued whose value was equal to that of gold and silver?

Options :

1. ✔ Muhammad Bin Tughluq

2. ✖ Akbar

3. ✖ Nadir Shah

4. ✖ Shah Jahan

Question Number : 22 Question Id : 16794313533 Question 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 किसने टोकन मुद्रा की अवधारणा पेश की जिसमें पीतल और तांबा के सिक्के जारी किए गए थे, जिसका मूल्य सोने और चांदी के बराबर था?

Options :

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1. ✔ मुहम्मद बिन तुग़लक़

2. ✖ अकबर

3. ✖ नादिर शाह

4. ✖ शाहजहाँ

Question Number : 23 Question Id : 16794313534 Question 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 Vedas contains about 250 hymns in praise of Indra who is described as a destroyer of cities?

Options :

1. ✖ Samaveda

2. ✖ Yajurveda

3. ✔ Rig Veda

4. ✖ Atharvaveda

Question Number : 23 Question Id : 16794313534 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

वेदों में से कौन सा इंद्र की प्रशंसा में लगभग 250 भजन शामिल हैं जिन्हें नष्ट करने वाले शहरों के रूप में वर्णित किया गया है?

Options :

1. ✖ सामवेद

2. ✖ यजुर्वेद

3. ✔ ऋग्वेद

4. ✖ अथर्ववेद

Question Number : 24 Question Id : 16794313535 Question 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 autumnal equinox in the Northern Hemisphere which marks the end of Summer and beginning of Autumn occurs in which month?

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Options :

1. ✔ September

2. ✖ March

3. ✖ June

4. ✖ August

Question Number : 24 Question Id : 16794313535 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

उत्तरी गोलार्ध में शरद ऋतु विषुव जो गर्मी के अंत और शरद ऋतु की शुरुआत को चिह्नित करता है, किस महीने में होता है?

Options :

1. ✔ सितंबर

2. ✖ मार्च

3. ✖ जून

4. ✖ अगस्त

Question Number : 25 Question Id : 16794313536 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

New alluvium found on much of the Indo-Gangetic floodplain is called _____ and is extremely fertile and uniform in texture.

Options :

1. ✖ bhangar

2. ✔ khadar

3. ✖ regur

4. ✖ ferralitic

Question Number : 25 Question Id : 16794313536 Question 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-गंगा के बाढ़ के मैदान पर पाए जाने वाले नए एल्यूवियम को _____ कहा जाता है और यह बनावट में बेहद उपजाऊ और वर्दी है।

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Options :

1. ✖ भंगार

2. ✔ खादर

3. ✖ रेगुर

4. ✖ फेरालिटिक

Question Number : 26 Question Id : 16794313537 Question 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 part of the Constitution contains articles dealing with citizenship?

Options :

1. ✖ Part I

2. ✔ Part II

3. ✖ Part IV

4. ✖ Part VII

Question Number : 26 Question Id : 16794313537 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

संविधान के किस हिस्से में नागरिकता से निपटने वाले लेख शामिल हैं?

Options :

1. ✖ भाग I

2. ✔ भाग II

3. ✖ भाग IV

4. ✖ भाग VII

Question Number : 27 Question Id : 16794313538 Question 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 requires the State to provide free and compulsory education to all children of the age of six to fourteen years?

Options :

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1. ✖ Article 14

2. ✖ Article 31 A

3. ✔ Article 21A

4. ✖ Article 25

Question Number : 27 Question Id : 16794313538 Question 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 के किस लेख में राज्य को छः से चौदह वर्ष की आयु के सभी बच्चों को नि: शुल्क और अनिवार्य शिक्षा प्रदान करने की आवश्यकता है?

Options :

1. ✖ अनुच्छेद 14

2. ✖ अनुच्छेद 31A

3. ✔ अनुच्छेद 21A

4. ✖ अनुच्छेद 25

Question Number : 28 Question Id : 16794313539 Question 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 preamble to the Constitution of India indicates that the source of the constitution is:

Options :

1. ✖ The Lok Sabha

2. ✖ The Rajya Sabha

3. ✔ The people of India

4. ✖ The President of India

Question Number : 28 Question Id : 16794313539 Question 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 के प्रस्ताव से संकेत मिलता है कि संविधान का स्रोत है:

Options :

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1. ✖ लोकसभा

2. ✖ राज्यसभा

3. ✔ भारत के लोग

4. ✖ भारत के राष्ट्रपति

Question Number : 29 Question Id : 16794313540 Question 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 are called 'gilt edged securities'?

Options :

1. ✖ Stocks of Mutual Funds

2. ✖ Shares of Private Limited companies

3. ✖ Shares of Public Limited companies

4. ✔ Government Securities

Question Number : 29 Question Id : 16794313540 Question 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 को 'गिल्ट एज सिक्योरिटीज' कहा जाता है?

Options :

1. ✖ म्यूचुअल फंड के स्टॉक

2. ✖ प्राइवेट लिमिटेड कंपनियों के शेयर

3. ✖ पब्लिक लिमिटेड कंपनियों के शेयर

4. ✔ सरकारी सुरक्षायें

Question Number : 30 Question Id : 16794313541 Question 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 nationally recognized, well-established, and financially sound company that generally sells high-quality, widely accepted products and services is called a:

Options :

1. ✖ Navratna company

2. ✖ Star company

3. ✔ Blue chip company

4. ✖ Miniratna company

Question Number : 30 Question Id : 16794313541 Question 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 राष्ट्रीय स्तर पर मान्यता प्राप्त, अच्छी तरह से स्थापित, और वित्तीय रूप से अच्छी कंपनी जो आम तौर पर उच्च गुणवत्ता वाले, व्यापक रूप से स्वीकृत उत्पादों और सेवाओं को बेचती है उसे एक कहा जाता है:

Options :

1. ✖ नवरत्न कंपनी

2. ✖ स्टार कंपनी

3. ✔ ब्लू चिप कंपनी

4. ✖ मिनीरत्न कंपनी

Question Number : 31 Question Id : 16794313542 Question 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 Meenakshi Amman temple located?

Options :

1. ✖ Tirupati

2. ✔ Madurai

3. ✖ Thiruvananthapuram

4. ✖ Mahabalipuram

Question Number : 31 Question Id : 16794313542 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

प्रसिद्ध मीनाक्षी अम्मान मंदिर कहां स्थित है?

Options :

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1. ✖ तिरुपति

2. ✔ मदुरै

3. ✖ तिरुवनंतपुरम

4. ✖ महाबलीपुरम

Question Number : 32 Question Id : 16794313543 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Kokborok is a language spoken by a large number of people in which of the following states?

Options :

1. ✔ Tripura

2. ✖ Nagaland

3. ✖ Arunachal Pradesh

4. ✖ Meghalaya

Question Number : 32 Question Id : 16794313543 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

कोकबोरोक निम्नलिखित भाषाओं में से कौन सी बड़ी संख्या में लोगों द्वारा बोली जाने वाली भाषा है?

Options :

1. ✔ त्रिपुरा

2. ✖ नागालैंड

3. ✖ अरुणाचल प्रदेश

4. ✖ मेघालय

Question Number : 33 Question Id : 16794313544 Question 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 Sikkim's famous mask dances performed on ceremonial and festive occasions called?

Options :

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1. ✖ Limboo

2. ✔ Chaams

3. ✖ Lu Khangthamo

4. ✖ Rechungma

Question Number : 33 Question Id : 16794313544 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सिक्किम के किस मशहूर मुखौटा ने औपचारिक और उत्सव के अवसरों पर नृत्य प्रदर्शन किया है?

Options :

1. ✖ लिम्बू

2. ✔ चाम्स

3. ✖ लू खांगथमो

4. ✖ रेचुंग्मा

Question Number : 34 Question Id : 16794313545 Question 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 BWF world championship in men's singles category in Nanjing, China, in August 2018?

Options :

1. ✔ Kento Momota

2. ✖ Shi Yuqi

3. ✖ Kidambi Srikanth

4. ✖ Sameer Verma

Question Number : 34 Question Id : 16794313545 Question 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 चीन के नानजिंग में पुरुष एकल श्रेणी में बी.डब्ल्यू.एफ. विश्व चैम्पियनशिप किसने जीता?

Options :

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1. ✔ केंटो मोमोता

2. ✖ शि यूकी

3. ✖ किदंबी श्रीकांत

4. ✖ समीर वर्मा

Question Number : 35 Question Id : 16794313546 Question 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 among following systems set to be used in 2020 Olympic security in Tokyo 2020 games?

Options :

1. ✔ Facial recognition

2. ✖ Voice recognition

3. ✖ Fingerprints recognition

4. ✖ Thumb recognition

Question Number : 35 Question Id : 16794313546 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

टोक्यो 2020 खेलों में 2020 ओलंपिक सुरक्षा में निम्नलिखित प्रणालियों में से कौन सा उपयोग किया जाएगा?

Options :

1. ✔ चेहरे की पहचान

2. ✖ आवाज की पहचान

3. ✖ फिंगरप्रिंट मान्यता

4. ✖ अंगूठे की पहचान

Question Number : 36 Question Id : 16794313547 Question 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 is the universal blood type needed for emergency transfusions?

Options :

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1. ✖ A positive blood group

2. ✔ O negative blood group

3. ✖ B positive blood group

4. ✖ AB blood group

Question Number : 36 Question Id : 16794313547 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

आपातकालीन संक्रमण के लिए आवश्यक सार्वभौमिक रक्त प्रकार कौन सा है?

Options :

1. ✖ A सकारात्मक रक्त समूह

2. ✔ O नकारात्मक रक्त समूह

3. ✖ B सकारात्मक रक्त समूह

4. ✖ AB रक्त समूह

Question Number : 37 Question Id : 16794313548 Question 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 is the Founder and Chairman of the World Economic Forum, the International Organization for Public-Private Cooperation?

Options :

1. ✔ Klaus Schwab

2. ✖ Guy Ryder

3. ✖ Roberto Azevedo

4. ✖ Mukhisa Kituyi

Question Number : 37 Question Id : 16794313548 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सार्वजनिक-निजी सहयोग का अंतर्राष्ट्रीय संगठन तथा विश्व आर्थिक मंच के संस्थापक और अध्यक्ष कौन हैं?

Options :

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1. ✔ क्लाउस श्वाब

2. ✖ गाय राइडर

3. ✖ रॉबर्टो अजेवेडो

4. ✖ मुकेश कितुई

Question Number : 38 Question Id : 16794313549 Question 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 expedition was taken by Indian Army & Royal Bhutan Army to commemorate "Fifty years of Establishment of Diplomatic Relations between India and Bhutan?"

Options :

1. ✖ Trekking Expedition

2. ✔ Cycling cum Trekking Expedition

3. ✖ Motorcycle Expedition

4. ✖ Kayaking Expedition

Question Number : 38 Question Id : 16794313549 Question 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 सेना और रॉयल भूटान सेना ने "भारत और भूटान के बीच राजनयिक संबंध स्थापित करने के पचास साल" मनाने के लिए कौन सा अभियान लिया था?

Options :

1. ✖ ट्रेकिंग अभियान

2. ✔ सायक्लिंग सह ट्रेकिंग अभियान

3. ✖ मोटरसाइकिल अभियान

4. ✖ कयाकिंग अभियान

Question Number : 39 Question Id : 16794313550 Question 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 city bagged the cleanest city in N-E zone awards in August 2018?

Options :

1. ✔ Kackching, Manipur

2. ✖ Dispur, Assam

3. ✖ Gangtok, Sikkim

4. ✖ Itanagar, Arunachal Pradesh

Question Number : 39 Question Id : 16794313550 Question 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 एन-ई ज़ोन पुरस्कारों में किस शहर ने सबसे साफ शहर जीता था?

Options :

1. ✔ कॅकिंग, मणिपुर

2. ✖ दिसपुर, असम

3. ✖ गंगटोक, सिक्किम

4. ✖ इटानगर, अरुणाचल प्रदेश

Question Number : 40 Question Id : 16794313551 Question 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 Junction was renamed as Deen Dayal Upadhyaya Junction recently?

Options :

1. ✖ Yeswanthapur Junction

2. ✔ Mughalsarai Junction

3. ✖ Peddapalli Junction

4. ✖ Jolarpettai Junction

Question Number : 40 Question Id : 16794313551 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

हाल ही में दीन दयाल उपाध्याय जंक्शन के रूप में किस जंक्शन का नाम बदल दिया गया था?

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Options :

1. ✖ यशवंतपुर जंक्शन

2. ✔ मुगलसराय जंक्शन

3. ✖ पेडापल्ली जंक्शन

4. ✖ जोलारपेततई जंक्शन

Arithmetic Ability

Group Number :	3
Group Id :	167943446
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 :	167943511
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	18
Number of Questions to be attempted:	18
Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	167943851
Question Shuffling Allowed :	Yes

Question Number : 41 Question Id : 16794313552 Question 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 $1-1\frac{2}{9}\ of\ 3\frac{3}{11}\div 5\frac{1}{7}\ of\ \frac{7}{9}-\frac{5}{18}\ of\ 24$ is equal to:

Options :

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1. ✖ 0

2. ✖ $\frac{20}{3}$

3. ✔ $-\frac{20}{3}$

4. ✖ $-\frac{11}{3}$

Question Number : 41 Question Id : 16794313552 Question 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 $1-1\frac{2}{9}\ of\ 3\frac{3}{11}\div 5\frac{1}{7}\ of\ \frac{7}{9}-\frac{5}{18}\ of\ 24$ का मान किसके बराबर होगा?

Options :

1. ✖ 0

2. ✖ $\frac{20}{3}$

3. ✔ $-\frac{20}{3}$

4. ✖ $-\frac{11}{3}$

Question Number : 42 Question Id : 16794313553 Question 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 $\frac{(1.5)^3+(4.6)^3+(3.9)^3-4.5\times4.6\times3.9}{(15)^2+(46)^2+(39)^2-15\times46-46\times39-39\times15}$ is equal to:

Options :

1. ✖ 0.01

2. ✔ 0.1

3. ✖ 1

4. ✖ 10

Question Number : 42 Question Id : 16794313553 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

समीकरण $\frac{(1.5)^3+(4.6)^3+(3.9)^3-4.5\times4.6\times3.9}{(15)^2+(46)^2+(39)^2-15\times46-46\times39-39\times15}$ का मान किसके बराबर होगा?

Options :

1. ✖ 0.01

2. ✔ 0.1

3. ✖ 1

4. ✖ 10

Question Number : 43 Question Id : 16794313554 Question 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 HCF of two numbers is 24. If sum of the numbers is 480, how many such pairs of numbers are possible?

Options :

1. ✖ 2

2. ✖ 3

3. ✔ 4

4. ✖ 5

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Question Number : 43 Question Id : 16794313554 Question 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 का महत्तम समापवर्तक 24 है। यदि संख्याओं का योग 480 है, तो संख्याओं के कितने ऐसे जोड़े संभव हैं?

Options :

1. ✖ 2

2. ✖ 3

3. ✔ 4

4. ✖ 5

Question Number : 44 Question Id : 16794313555 Question 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 : 6 : 9. If their LCM is 648, what is their HCF?

Options :

1. ✔ 18

2. ✖ 9

3. ✖ 6

4. ✖ 4

Question Number : 44 Question Id : 16794313555 Question 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 : 6 : 9 अनुपात में हैं। यदि उनका लघुत्तम समापवर्त्य 648 है, तो उनका महत्तम समापवर्तक कितना होगा?

Options :

1. ✔ 18

2. ✖ 9

3. ✖ 6

4. ✖ 4

Question Number : 45 Question Id : 16794313556 Question 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 product of mean proportion and third proportion between 6 and 24 is:

Options :

1. ✖ 18

2. ✖ 24

3. ✖ $24\sqrt{2}$

4. ✔ 1152

Question Number : 45 Question Id : 16794313556 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

संख्या 6 और 24 के बीच औसत अनुपात और तीसरे अनुपात का गुणनफल कितना होगा?

Options :

1. ✖ 18

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2. ✖ 24

3. ✖ $24\sqrt{2}$

4. ✔ 1152

Question Number : 46 Question Id : 16794313557 Question 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 $2a = 3b = 7c$, then $\frac{1}{a} : \frac{1}{b} : \frac{1}{c}$ is equal to:

Options :

1. ✖ 7 : 3 : 2

2. ✔ 2 : 3 : 7

3. ✖ 2 : 7 : 3

4. ✖ 3 : 2 : 7

Question Number : 46 Question Id : 16794313557 Question 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 $2a = 3b = 7c$, तो $\frac{1}{a} : \frac{1}{b} : \frac{1}{c}$ किसके बराबर होगा?

Options :

1. ✖ 7 : 3 : 2

2. ✔ 2 : 3 : 7

3. ✖ 2 : 7 : 3

4. ✖ 3 : 2 : 7

Question Number : 47 Question Id : 16794313558 Question 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 an examination, 75% students passed in mathematics and 80% passed in physics. If 14% failed in both subjects, what is the percentage of students who passed in both the subjects?

Options :

1. ✖ 51%

2. ✖ 63%

3. ✔ 69%

4. ✖ 71%

Question Number : 47 Question Id : 16794313558 Question 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 परीक्षा में, 75% छात्र गणित में उत्तीर्ण हुए और 80% भौतिकी में उत्तीर्ण हुए। यदि दोनों विषयों में 14% छात्र विफल रहे, तो दोनों विषयों में उत्तीर्ण छात्रों का प्रतिशत कितना है?

Options :

1. ✖ 51%

2. ✖ 63%

3. ✔ 69%

4. ✖ 71%

Question Number : 48 Question Id : 16794313559 Question 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 man spends 75% of his income. His income is increased by 40% and he increased his expenditure by 24%. His savings are increased by:

Options :

1. ✖ 58%

2. ✖ 64%

3. ✖ 72%

4. ✔ 88%

Question Number : 48 Question Id : 16794313559 Question 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 आदमी अपनी आय का 75% खर्च कर देता है। उसकी आय में 40% की वृद्धि होती है और उसने अपने व्यय में 24% की वृद्धि की। उसकी बचत में कितनी वृद्धि हुई है?

Options :

1. ✖ 58%

2. ✖ 64%

3. ✖ 72%

4. ✔ 88%

Question Number : 49 Question Id : 16794313560 Question 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 cost price of an article A is 25% more than the cost price of article B. The article B is sold for ₹ 1440 at a loss of 10%. At what price should A be sold to make an overall profit of 20%?

Options :

1. ✖ ₹ 2400

2. ✖ ₹ 2580

3. ✖ ₹ 2720

4. ✔ ₹ 2880

Question Number : 49 Question Id : 16794313560 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

वस्तु A की लागत मूल्य वस्तु B की लागत मूल्य से 25% अधिक है। वस्तु B को 10% की हानि पर ₹ 1440 में बेचा जाता है। 20% का कुल लाभ अर्जित करने के लिए A को किस मूल्य पर बेचा जाना चाहिए?

Options :

1. ✖ ₹ 2400

2. ✖ ₹ 2580

3. ✖ ₹ 2720

4. ✔ ₹ 2880

Question Number : 50 Question Id : 16794313561 Question 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 sum of money becomes 140% of itself in 5 years. In how many years it will double itself at the same rate of simple interest?

Options :

1. ✖ 10

2. ✖ $\frac{21}{2}$

3. ✔ $\frac{25}{2}$

4. ✖ 15

Question Number : 50 Question Id : 16794313561 Question 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 धनराशि 5 साल में 140% तक बढ़ जाती है। साधारण ब्याज की दर पर कितने सालों में यह धनराशि दोगुना हो जाएगी?

Options :

1. ✖ 10

2. ✖ $\frac{21}{2}$

3. ✔ $\frac{25}{2}$

4. ✖ 15

Question Number : 51 Question Id : 16794313562 Question 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 will be the amount on ₹ 8000 for 3 years, if the rate of interest for first year is 4% per annum and increases every year by 50% (rounded off to nearest integer)?

Options :

1. ✔ ₹ 9613

2. ✖ ₹ 9878

3. ✖ ₹ 10064

4. ✖ ₹ 10423

Question Number : 51 Question Id : 16794313562 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

3 वर्ष में ₹ 8000 की राशि कितनी हो जाएगी, यदि प्रथम वर्ष ब्याज दर 4% वार्षिक है और हर साल 50% तक बढ़ जाती है (निकटतम पूर्णांक तक दें)?

Options :

1. ✔ ₹ 9613

2. ✖ ₹ 9878

3. ✖ ₹ 10064

4. ✖ ₹ 10423

Question Number : 52 Question Id : 16794313563 Question 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 sides of a triangle are 13 cm, 14 cm and 15 cm. What is the altitude corresponding to the largest side (correct to one decimal place)?

Options :

1. ✔ 11.2 cm

2. ✖ 12.0 cm

3. ✖ 12.9 cm

4. ✖ 15.4 cm

Question Number : 52 Question Id : 16794313563 Question 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 त्रिभुज की भुजाएं 13 cm, 14 cm और 15 cm हैं। सबसे बड़ी भुजा के सापेक्ष ऊंचाई (एक दशमलव स्थान पर सही) कितनी होगी?

Options :

1. ✔ 11.2 cm

2. ✖ 12.0 cm

3. ✖ 12.9 cm

4. ✖ 15.4 cm

Question Number : 53 Question Id : 16794313564 Question 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 diameters and heights of two cylinders are in the ratio 3 : 4 and 5 : 6 respectively. What is the ratio of their corresponding volumes?

Options :

1. ✖ 5 : 8

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2. ✔ 15 : 32

3. ✖ 2 : 5

4. ✖ 3 : 8

Question Number : 53 Question Id : 16794313564 Question 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 सिलेंडर्स के व्यास और ऊंचाई क्रमश: 3 : 4 और 5 : 6 के अनुपात में हैं। उनके आयतनों का अनुपात कितना होगा?

Options :

1. ✖ 5 : 8

2. ✔ 15 : 32

3. ✖ 2 : 5

4. ✖ 3 : 8

Question Number : 54 Question Id : 16794313565 Question 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 car starts from a place with a speed of 50 km/h. After 90 minutes, another car starts in the same direction with a speed of 70 km/h. After how many hours will the second car overtake the first car?

Options :

1. ✖ $3\frac{1}{4}$

2. ✖ $3\frac{2}{5}$

3. ✔ $3\frac{3}{4}$

4. ✖ $3\frac{2}{3}$

Question Number : 54 Question Id : 16794313565 Question 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 कार किसी जगह से 50 km/h की गति से रवाना होती है। 90 मिनट के बाद, एक दूसरी कार 70 km/h की गति से उसी दिशा में रवाना होती है। दूसरी कार के पहली कार से आगे निकलने में कितने घंटे लगेंगे?

Options :

1. ✖ $3\frac{1}{4}$

2. ✖ $3\frac{2}{5}$

3. ✔ $3\frac{3}{4}$

4. ✖ $3\frac{2}{3}$

Question Number : 55 Question Id : 16794313566 Question 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 can go 15 km upstream and 21 km downstream in 3 hours. It can go 25 km upstream and 7 km downstream in 3 hours. What is the speed of stream in km/h?

Options :

1. ✔ 2

2. ✖ 3

3. ✖ 4

4. ✖ 5

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Question Number : 55 Question Id : 16794313566 Question 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 नाव 3 घंटे में धारा की विपरीत दिशा में 15 km और धारा की दिशा में 21 km की दूरी तय कर सकती है। यह 3 घंटे में धारा की विपरीत दिशा में 25 km और धारा की दिशा में 7 km की दूरी तय कर सकती है। धारा की गति km/h में कितनी है?

Options :

1. ✔ 2

2. ✖ 3

3. ✖ 4

4. ✖ 5

Question Number : 56 Question Id : 16794313567 Question 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 efficiencies of A, B and C are in the ratio 2 : 3 : 4. They together can complete a piece of work in 24 hours. In how many hours B alone can complete 150% of that work?

Options :

1. ✖ 54

2. ✖ 72

3. ✖ 90

4. ✔ 108

Question Number : 56 Question Id : 16794313567 Question 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 और C की क्षमता का अनुपात 2 : 3 : 4 हैं। वे किसी काम के एक हिस्से को एक साथ 24 घंटे में पूरा कर सकते हैं। कार्य का 150% अकेले B कितने घंटे में पूरा कर सकता है?

Options :

1. ✖ 54

2. ✖ 72

3. ✖ 90

4. ✔ 108

Question Number : 57 Question Id : 16794313568 Question 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 pipes A and B can fill a tank in 4 hours and 6 hours respectively, whereas pipe C can empty the full tank in 3 hours. When the tank is empty, pipe C is opened. In how many hours the tank will be filled after the pipe C was opened?

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

Options :

1. $1\frac{1}{2}$

2. 2

3. $2\frac{1}{2}$

4. 3

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Question Number : 57 Question Id : 16794313568 Question 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 पाइप A और B क्रमश: 4 घंटे और 6 घंटे में एक टैंक को भर सकते हैं, जबकि भरे टैंक को पाइप C 3 घंटे में खाली कर सकती है। जब टैंक खाली है और पाइप C खुली है। जब पाइप C खोलने के बाद टैंक कितने घंटे भर जाएगा?

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

Options :

1. $1\frac{1}{2}$

2. 2

3. $2\frac{1}{2}$

4. 3

Sub-Section Number: 2
Sub-Section Id: 167943852
Question Shuffling Allowed : Yes

Question Id : 16794313569 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (58 to 60)

Question Label : Comprehension

Study the table below about the number of students from various schools playing various games. Answer the following three questions.

	Schools				
Games	A	B	C	D	E
Cricket	120	180	90	125	150
Basket ball	80	70	60	90	50
Foot ball	40	65	55	70	35
Hockey	90	55	45	85	65
Badminton	50	40	60	50	30

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Sub questions

Question Number : 58 Question Id : 16794313570 Question 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 students who play Cricket from school A is what percentage of total students from all schools who play Cricket (correct to one decimal place)?

Options :

1. ✔ 18.0%

2. ✖ 18.2%

3. ✖ 18.3%

4. ✖ 18.4%

Question Number : 59 Question Id : 16794313571 Question 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 ratio of total number of students who play Hockey to the total number of students who play Badminton from all schools?

Options :

1. ✖ 25 : 27

2. ✖ 27 : 32

3. ✔ 34 : 23

4. ✖ 33 : 25

Question Number : 60 Question Id : 16794313572 Question 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 number of players playing Basketball or Football (correct to one decimal point)?

Options :

1. ✖ 32.8%

2. ✔ 33.2%

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3. ✖ 33.3%

4. ✖ 33.5%

Question Id : 16794313569 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (58 to 60)

Question Label : Comprehension

विभिन्न स्कूलों के अलग अलग खेल खेलने वाले छात्रों की संख्या के बारे में नीचे दी गई तालिका का अध्ययन करें। निम्नलिखित तीन प्रश्नों का उत्तर दें।

	स्कूल				
खेल	A	B	C	D	E
क्रिकेट	120	180	90	125	150
बास्केटबॉल	80	70	60	90	50
फुटबॉल	40	65	55	70	35
हॉकी	90	55	45	85	65
बैडमिंटन	50	40	60	50	30

Sub questions

Question Number : 58 Question Id : 16794313570 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

स्कूल A से क्रिकेट खेलने वाले छात्रों की संख्या क्रिकेट खेलने वाले सभी स्कूलों के कुल छात्रों के प्रतिशत का कितना है (एक दशमलव स्थान पर सही)?

Options :

1. ✔ 18.0%

2. ✖ 18.2%

3. ✖ 18.3%

4. ✖ 18.4%

Question Number : 59 Question Id : 16794313571 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सभी स्कूलों से बैडमिंटन खेलने वाले छात्रों की कुल संख्या और हॉकी खेलने वाले छात्रों की कुल संख्या का अनुपात कितना है?

Options :

1. ✖ 25 : 27

2. ✖ 27 : 32

3. ✔ 34 : 23

4. ✖ 33 : 25

Question Number : 60 Question Id : 16794313572 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

बास्केटबॉल या फुटबॉल खेलने वाले खिलाड़ियों की कुल संख्या का प्रतिशत कितना है?

Options :

1. ✖ 32.8%

2. ✔ 33.2%

3. ✖ 33.3%

4. ✖ 33.5%

General English

Group Number :	4
Group Id :	167943447
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

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General English

Section Id :	167943512
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:	167943853
Question Shuffling Allowed :	Yes

Question Number : 61 Question Id : 16794313573 Question 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 part of the sentence that has an error in it.

They cannot	leave the office	without	a special permission.
A	B	C	D

Options :

1. ✖ A

2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 61 Question Id : 16794313573 Question 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 part of the sentence that has an error in it.

They cannot	leave the office	without	a special permission.
A	B	C	D

Options :

1. ✖ A

2. ✖ B

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3. ✖ C

4. ✔ D

Question Number : 62 Question Id : 16794313574 Question 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 part of the sentence that has an error in it.

You are	the most unique person	I have	ever met.
A	B	C	D

Options :

1. ✖ A

2. ✔ B

3. ✖ C

4. ✖ D

Question Number : 62 Question Id : 16794313574 Question 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 part of the sentence that has an error in it.

You are	the most unique person	I have	ever met.
A	B	C	D

Options :

1. ✖ A

2. ✔ B

3. ✖ C

4. ✖ D

Question Number : 63 Question Id : 16794313575 Question 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 part of the sentence that has an error in it.

Bring	the medicine	to your sister	right now.
A	B	C	D

Options :

1. ✔ A

2. ✖ B

3. ✖ C

4. ✖ D

Question Number : 63 Question Id : 16794313575 Question 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 part of the sentence that has an error in it.

Bring (A) the medicine (B) to your sister (C) right now. (D)

Options :

1. ✔ A

2. ✖ B

3. ✖ C

4. ✖ D

Question Number : 64 Question Id : 16794313576 Question 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 part of the sentence that has an error in it.

One main criteria (A) for selection of (B) candidates is (C) their English proficiency. (D)

Options :

1. ✔ A

2. ✖ B

3. ✖ C

4. ✖ D

Question Number : 64 Question Id : 16794313576 Question 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 part of the sentence that has an error in it.

One main criteria	for selection of	candidates is	their English proficiency.
A	B	C	D

Options :

1. ✔ A

2. ✖ B

3. ✖ C

4. ✖ D

Question Number : 65 Question Id : 16794313577 Question 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 part of the sentence that has an error in it.

There has been	several complaints	about her	behaviour in class.
A	B	C	D

Options :

1. ✔ A

2. ✖ B

3. ✖ C

4. ✖ D

Question Number : 65 Question Id : 16794313577 Question 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 part of the sentence that has an error in it.

There has been	several complaints	about her	behaviour in class.
A	B	C	D

Options :

1. ✔ A

2. ✖ B

3. ✖ C

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4. ✖ D

Question Number : 66 Question Id : 16794313578 Question 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 with the most appropriate answer from below:

"You are not planning to attend the wedding. _____" She exclaimed.

Options :

1. ✖ Aren't you?

2. ✖ Isn't it?

3. ✔ Are you?

4. ✖ Wasn't it?

Question Number : 66 Question Id : 16794313578 Question 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 with the most appropriate answer from below:

"You are not planning to attend the wedding. _____" She exclaimed.

Options :

1. ✖ Aren't you?

2. ✖ Isn't it?

3. ✔ Are you?

4. ✖ Wasn't it?

Question Number : 67 Question Id : 16794313579 Question 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 with the most appropriate answer from below:

She does think he walks on water _____?

Options :

1. ✖ Didn't she?

2. ✔ Doesn't she?

3. ✖ Did she?

4. ✖ Does she?

Question Number : 67 Question Id : 16794313579 Question 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 with the most appropriate answer from below:

She does think he walks on water _____?

Options :

1. ✖ Didn't she?

2. ✔ Doesn't she?

3. ✖ Did she?

4. ✖ Does she?

Question Number : 68 Question Id : 16794313580 Question 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 with the most appropriate answer from below:

She asked me if I _____ her notebook _____.

Options :

1. ✔ Had seen, anywhere

2. ✖ Had seen, somewhere

3. ✖ Saw, somewhere

4. ✖ Have seen, nowhere

Question Number : 68 Question Id : 16794313580 Question 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 with the most appropriate answer from below:

She asked me if I _____ her notebook _____.

Options :

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1. ✔ Had seen, anywhere

2. ✖ Had seen, somewhere

3. ✖ Saw, somewhere

4. ✖ Have seen, nowhere

Question Number : 69 Question Id : 16794313581 Question 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 incorrect statement from the following sentences.

Options :

1. ✖ You ought not to have spoken to your father like that

2. ✖ Ought we to be more worried about the pollution?

3. ✖ There ought to be more police petrol at nights in the city.

4. ✔ They ought not be allowed to park their vehicles here.

Question Number : 69 Question Id : 16794313581 Question 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 incorrect statement from the following sentences.

Options :

1. ✖ You ought not to have spoken to your father like that

2. ✖ Ought we to be more worried about the pollution?

3. ✖ There ought to be more police petrol at nights in the city.

4. ✔ They ought not be allowed to park their vehicles here.

Question Number : 70 Question Id : 16794313582 Question 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 with the most suitable option from below:

Is it always the brightest students who _____ successful in life?

Options :

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1. ✖ became

2. ✔ become

3. ✖ are becoming

4. ✖ becomes

Question Number : 70 Question Id : 16794313582 Question 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 with the most suitable option from below:

Is it always the brightest students who _____ successful in life?

Options :

1. ✖ became

2. ✔ become

3. ✖ are becoming

4. ✖ becomes

Question Number : 71 Question Id : 16794313583 Question 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 from the given options.

Options :

1. ✖
In the farming sector, at the moment there are no new companies investing, which makes it difficult for we farmers, to continue in this field.

2. ✖
In the farming sector at the moment, there are no new companies investing which make it difficult for we farmers to continue in this field.

3. ✔
In the farming sector, there are no new companies investing at the moment, a fact that makes it difficult for us farmers to continue in this field.

4. ✖
In the farming sector, there are no new companies investing at the moment, which is difficult for farmers to continue in this field.

Question Number : 71 Question Id : 16794313583 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

Choose the correct statement from the given options.

Options :

1. ✖
In the farming sector, at the moment there are no new companies investing, which makes it difficult for we farmers, to continue in this field.

2. ✖
In the farming sector at the moment, there are no new companies investing which make it difficult for we farmers to continue in this field.

3. ✔
In the farming sector, there are no new companies investing at the moment, a fact that makes it difficult for us farmers to continue in this field.

4. ✖
In the farming sector, there are no new companies investing at the moment, which is difficult for farmers to continue in this field.

Question Number : 72 Question Id : 16794313584 Question 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 with the most suitable option.

The second part of the book was not very interesting, but, _____ all of the mystery.

Options :

1. ✖ At the end of the book lies the hints that force us to read the third part of the book that reveal

2. ✖
At the end of the book lies the hints that forces us to read the third parts of the book that reveals

3. ✖
At the end of the book lie the hints that forces us to read the third part of the book which reveal

4. ✔
At the end of the book lie the hints that force us to read the third part of the book which reveals

Question Number : 72 Question Id : 16794313584 Question 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 with the most suitable option.

The second part of the book was not very interesting, but, _____ all of the mystery.

Options :

1. ✖ At the end of the book lies the hints that force us to read the third part of the book that reveal

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2. ✖
At the end of the book lies the hints that forces us to read the third parts of the book that reveals

3. ✖
At the end of the book lie the hints that forces us to read the third part of the book which reveal

4. ✔
At the end of the book lie the hints that force us to read the third part of the book which reveals

Question Number : 73 Question Id : 16794313585 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Ten days _____ not nearly enough time to complete the entire syllabus even though they _____ believe it is possible.

Options :

1. ✔ is, seem

2. ✖ are, seem

3. ✖ is, seems

4. ✖ are, seems

Question Number : 73 Question Id : 16794313585 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Ten days _____ not nearly enough time to complete the entire syllabus even though they _____ believe it is possible.

Options :

1. ✔ is, seem

2. ✖ are, seem

3. ✖ is, seems

4. ✖ are, seems

Question Number : 74 Question Id : 16794313586 Question 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 from the options given below:

Options :

1. ✔
Neither the members of the audience nor the orchestra knows what happened to the manager of the auditorium after the programme.

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2. ✖
Neither the members of the audiences nor the orchestra knows what happened to the auditorium manager after the programme.

3. ✖
Neither the members of the audience nor the orchestras know what happened to the manager of the auditorium after the programme.

4. ✖
Neither the audience nor the orchestra know what happened to the manager of the auditorium after the programme.

Question Number : 74 Question Id : 16794313586 Question 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 from the options given below:

Options :

1. ✔
Neither the members of the audience nor the orchestra knows what happened to the manager of the auditorium after the programme.

2. ✖
Neither the members of the audiences nor the orchestra knows what happened to the auditorium manager after the programme.

3. ✖
Neither the members of the audience nor the orchestras know what happened to the manager of the auditorium after the programme.

4. ✖
Neither the audience nor the orchestra know what happened to the manager of the auditorium after the programme.

Question Number : 75 Question Id : 16794313587 Question 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 with the most suitable answer.

Out of all my gifts, the book _____ was written by your favourite author in _____ the main character dies is the one I like the most.

Options :

1. ✖ which, which

2. ✔ that, which

3. ✖ that, that

4. ✖ which, what

Question Number : 75 Question Id : 16794313587 Question 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 blanks with the most suitable answer.

Out of all my gifts, the book _____ was written by your favourite author in _____ the main character dies is the one I like the most.

Options :

1. ✖ which, which

2. ✔ that, which

3. ✖ that, that

4. ✖ which, what

Sub-Section Number: 2
Sub-Section Id: 167943854
Question Shuffling Allowed : Yes

Question Id : 16794313588 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (76 to 80)

Question Label : Comprehension

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Reading Passage: A Point of View: In defence of obscure words
By Will Self, BBC

We are living in a risk-averse culture - there's no doubt about that.

But the risk that people seem most reluctant taking is not a physical but a mental one: just as the concrete in children's playgrounds has been covered with rubber, so the hard truth about the effort needed for intellectual attainment is being softened by a sort of semantic padding.

Both general readers and specialist critics often complain about my own use of English - not only in my books, but also in my newspaper articles and even in radio talks such as these. In over twenty years of publishing fiction and journalism, I've become pretty much inured to these slings and arrows, regarding them as par for the anti-intellectual course. I used to remonstrate with those who raised the S-word (S being for sesquipedalian, an obscure word that means 'a lover of obscure words).

I'd point out that my texts were as full of resolutely Anglo-Saxon slang as they were the flowery and the Latinate. I'd observe that English, being a mishmash of several different languages, had a large and exciting vocabulary, and that it seemed a shame not to use it - especially given that it went on growing all the time, spawning argot and specialist terminology as freely as an oyster does its milt.

In the literary world, books intended for child readers are repackaged and sold to kidult ones, while even notionally highbrow arbiters - such as Booker judges - are obsessed by that nauseous confection "a jolly good read". That Shakespeare remains our national writer is, frankly, bizarre, given that with his recondite vocabulary, myriad historical references, and convoluted metaphorical language, were he to be seeking publication in the current milieu, his sonnets and plays would undoubtedly also be branded as 'too difficult'.

But the most disturbing result of this retreat from the difficult is to be found in arts and humanities education, where the traditional set texts are now chopped up into boneless nuggets of McKnowledge, and students are encouraged to do their research - such as it is - on the web.

In place of the difficulty involved in seeking out the literary canon, younger people are coming to rely on search engines to do their thinking for them. The end result of this will be a standardisation of understanding itself, as people become unable to think outside of the box-shaped screen.

The nadir came for me when my daughter - who had been assigned Great Expectations as a GCSE text - was told the novel's ending by her English teacher, on the grounds that, having read the little gobbets served up for interpretation, according to her pedagogue there was no necessity for her to try and choke down the whole indigestible meal.

My figures of food are entirely fitting, because we are in danger of becoming morbidly obese through the consumption of such fast culture. The contrast with sport is instructive: in both realms of human endeavour, the consumers are largely passive, but at least sports fans - unlike cultural ones - don't protest against elite athletes, or bar them from competing on the grounds that they are too fast, too strong, or too limber.

On the contrary, we are repeatedly told by the likes of Sebastian Coe that athletes capable of the most difficult feats offer vital inspiration to couch-potato kids. Let the same be the case for mental athletics, because without the bar to jump over set high, we'll all end up simply playing in the sandpit.

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Sub questions

Question Number : 76 Question Id : 16794313589 Question 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 most important idea of the passage is that.

Options :

1. ✖ We are living in a risk-averse culture, which expects everything to be easy and not difficult.

2. ✖ The consumption of 'fast culture' is dangerous for our society as it permeates the fields of arts, sports and academics.

3. ✖ It is important to defend the use of difficult or obscure words as it improves our vocabulary.

4. ✔ Literary works or arts with difficult content are good for us because it inspires a higher level of intellectual attainment.

Question Number : 77 Question Id : 16794313590 Question 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 meaning of "par for the anti-intellectual course" based on your reading of the passage.

Options :

1. ✖ Something or someone in support of anti-intellectualism

2. ✔ Expected behaviour from someone who supports anti-intellectualism

3. ✖ Something that exists to prevent anti-intellectualism

4. ✖ Criticism from close quarters

Question Number : 78 Question Id : 16794313591 Question 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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Match the words in column A with the most suitable meanings from column B

Column A	Column B
i) nadir	a) argue
ii) recondite	b) setting
iii) argot	c) obscure
iv) remonstrate	d) standard
v) canon	e) lowest point
vi) milieu	f) jargon

Options :

1. ✖ i) b ii) a iii) e iv) d v) f vi) c

2. ✖ i) d ii) f iii) a iv) c v) b vi) e

3. ✔ i) e ii) c iii) f iv) a v) d vi) b

4. ✖ i) f ii) d iii) c iv) e v) b vi) a

Question Number : 79 Question Id : 16794313592 Question 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 passage is taken from:

Options :

1. ✖ An excerpt from a book

2. ✔ The transcript from a radio broadcast

3. ✖ An article from a magazine

4. ✖ An article from a column

Question Number : 80 Question Id : 16794313593 Question 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 the passage, choose the statement that is not true.

Options :

1. ✖ The passage uses metaphors and allusions to junk food to foreground the dangers of 'fast culture.'

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2. ✖ The Anglo-Saxon and Latin roots of English language vocabulary regularly lends itself to creation of new words.

3. ✖ Will Self's daughter is discouraged from reading the novel '*Great Expectations*' by her English teacher.

4. ✔ If Shakespeare were living today, the literary world would highly appreciate and honour his works.

Question Id : 16794313588 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (76 to 80)

Question Label : Comprehension

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Reading Passage: A Point of View: In defence of obscure words
By Will Self, BBC

We are living in a risk-averse culture - there's no doubt about that.

But the risk that people seem most reluctant taking is not a physical but a mental one: just as the concrete in children's playgrounds has been covered with rubber, so the hard truth about the effort needed for intellectual attainment is being softened by a sort of semantic padding.

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I'd point out that my texts were as full of resolutely Anglo-Saxon slang as they were the flowery and the Latinate. I'd observe that English, being a mishmash of several different languages, had a large and exciting vocabulary, and that it seemed a shame not to use it - especially given that it went on growing all the time, spawning argot and specialist terminology as freely as an oyster does its milt.

In the literary world, books intended for child readers are repackaged and sold to kidult ones, while even notionally highbrow arbiters - such as Booker judges - are obsessed by that nauseous confection "a jolly good read". That Shakespeare remains our national writer is, frankly, bizarre, given that with his recondite vocabulary, myriad historical references, and convoluted metaphorical language, were he to be seeking publication in the current milieu, his sonnets and plays would undoubtedly also be branded as 'too difficult'.

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The nadir came for me when my daughter - who had been assigned Great Expectations as a GCSE text - was told the novel's ending by her English teacher, on the grounds that, having read the little gobbets served up for interpretation, according to her pedagogue there was no necessity for her to try and choke down the whole indigestible meal.

My figures of food are entirely fitting, because we are in danger of becoming morbidly obese through the consumption of such fast culture. The contrast with sport is instructive: in both realms of human endeavour, the consumers are largely passive, but at least sports fans - unlike cultural ones - don't protest against elite athletes, or bar them from competing on the grounds that they are too fast, too strong, or too limber.

On the contrary, we are repeatedly told by the likes of Sebastian Coe that athletes capable of the most difficult feats offer vital inspiration to couch-potato kids. Let the same be the case for mental athletics, because without the bar to jump over set high, we'll all end up simply playing in the sandpit.

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Sub questions

Question Number : 76 Question Id : 16794313589 Question 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 most important idea of the passage is that.

Options :

1. ✖ We are living in a risk-averse culture, which expects everything to be easy and not difficult.

2. ✖ The consumption of 'fast culture' is dangerous for our society as it permeates the fields of arts, sports and academics.

3. ✖ It is important to defend the use of difficult or obscure words as it improves our vocabulary.

4. ✔ Literary works or arts with difficult content are good for us because it inspires a higher level of intellectual attainment.

Question Number : 77 Question Id : 16794313590 Question 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 meaning of "par for the anti-intellectual course" based on your reading of the passage.

Options :

1. ✖ Something or someone in support of anti-intellectualism

2. ✔ Expected behaviour from someone who supports anti-intellectualism

3. ✖ Something that exists to prevent anti-intellectualism

4. ✖ Criticism from close quarters

Question Number : 78 Question Id : 16794313591 Question 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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Match the words in column A with the most suitable meanings from column B

Column A	Column B
i) nadir	a) argue
ii) recondite	b) setting
iii) argot	c) obscure
iv) remonstrate	d) standard
v) canon	e) lowest point
vi) milieu	f) jargon

Options :

1. ✖ i) b ii) a iii) e iv) d v) f vi) c

2. ✖ i) d ii) f iii) a iv) c v) b vi) e

3. ✔ i) e ii) c iii) f iv) a v) d vi) b

4. ✖ i) f ii) d iii) c iv) e v) b vi) a

Question Number : 79 Question Id : 16794313592 Question 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 passage is taken from:

Options :

1. ✖ An excerpt from a book

2. ✔ The transcript from a radio broadcast

3. ✖ An article from a magazine

4. ✖ An article from a column

Question Number : 80 Question Id : 16794313593 Question 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 the passage, choose the statement that is not true.

Options :

1. ✖ The passage uses metaphors and allusions to junk food to foreground the dangers of 'fast culture.'

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2. ✖ The Anglo-Saxon and Latin roots of English language vocabulary regularly lends itself to creation of new words.

3. ✖ Will Self's daughter is discouraged from reading the novel '*Great Expectations*' by her English teacher.

4. ✔ If Shakespeare were living today, the literary world would highly appreciate and honour his works.

General Hindi

Group Number :	5
Group Id :	167943448
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 Hindi

Section Id :	167943513
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:	167943855
Question Shuffling Allowed :	Yes

Question Number : 81 Question Id : 16794313594 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'कंचन' शब्द में अनुस्वार की जगह कौन-सा व्यंजन आएगा?

Options :

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1. ✖ ङ.

2. ✔ ञ्

3. ✖ ण्

4. ✖ न

Question Number : 81 Question Id : 16794313594 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'कंचन' शब्द में अनुस्वार की जगह कौन-सा व्यंजन आएगा?

Options :

1. ✖ ङ.

2. ✔ ञ्

3. ✖ ण्

4. ✖ न

Question Number : 82 Question Id : 16794313595 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'दन्त्य' व्यंजन कौन-से वर्ग में है?

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

Options :

1. ह र द

2. ल श क

3. प ज ढ

4. न भ ञ

Question Number : 82 Question Id : 16794313595 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'दन्त्य' व्यंजन कौन-से वर्ग में है?

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

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Options :

1. ह र द

2. ल श क

3. प ज ढ

4. न भ ञ

Question Number : 83 Question Id : 16794313596 Question 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. ✔ निरपराधी

2. ✖ साहस

3. ✖ संन्यासी

4. ✖ साप्ताहिक

Question Number : 83 Question Id : 16794313596 Question 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. ✔ निरपराधी

2. ✖ साहस

3. ✖ संन्यासी

4. ✖ साप्ताहिक

Question Number : 84 Question Id : 16794313597 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'तुम वहाँ क्यों गई थी?' यह वाक्य किस काल का है?

Options :

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1. ✖ वर्तमान

2. ✖ अपूर्ण भूत

3. ✖ भविष्य

4. ✔ पूर्ण भूत

Question Number : 84 Question Id : 16794313597 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'तुम वहाँ क्यों गई थी?' यह वाक्य किस काल का है?

Options :

1. ✖ वर्तमान

2. ✖ अपूर्ण भूत

3. ✖ भविष्य

4. ✔ पूर्ण भूत

Question Number : 85 Question Id : 16794313598 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'हेमा को घर जाना है।' वाक्य में कौन-सा कारक है?

Options :

1. ✔ कर्ता

2. ✖ कर्म

3. ✖ करण

4. ✖ सम्प्रदान

Question Number : 85 Question Id : 16794313598 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'हेमा को घर जाना है।' वाक्य में कौन-सा कारक है?

Options :

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1. ✔ कर्ता

2. ✖ कर्म

3. ✖ करण

4. ✖ सम्प्रदान

Question Number : 86 Question Id : 16794313599 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'जगदाधार' शब्द में संधि है:

Options :

1. ✖ स्वर

2. ✔ व्यंजन

3. ✖ विसर्ग

4. ✖ अयादी

Question Number : 86 Question Id : 16794313599 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'जगदाधार' शब्द में संधि है:

Options :

1. ✖ स्वर

2. ✔ व्यंजन

3. ✖ विसर्ग

4. ✖ अयादी

Question Number : 87 Question Id : 16794313600 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'अष्टाध्यायी' शब्द कौन-से समास का उदाहरण है?

Options :

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1. ✖ अव्ययीभाव

2. ✖ तत्पुरूष

3. ✔ द्विगु

4. ✖ द्वंद्व

Question Number : 87 Question Id : 16794313600 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'अष्टाध्यायी' शब्द कौन-से समास का उदाहरण है?

Options :

1. ✖ अव्ययीभाव

2. ✖ तत्पुरूष

3. ✔ द्विगु

4. ✖ द्वंद्व

Question Number : 88 Question Id : 16794313601 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'परिवर्तन' शब्द में उपसर्ग है:

Options :

1. ✖ प्र

2. ✖ पर

3. ✔ परि

4. ✖ परी

Question Number : 88 Question Id : 16794313601 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'परिवर्तन' शब्द में उपसर्ग है:

Options :

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1. ✖ प्र

2. ✖ पर

3. ✔ परि

4. ✖ परी

Question Number : 89 Question Id : 16794313602 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'कुम्हार' शब्द में प्रत्यय है:

Options :

1. ✖ अ

2. ✖ र

3. ✖ अर

4. ✔ आर

Question Number : 89 Question Id : 16794313602 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'कुम्हार' शब्द में प्रत्यय है:

Options :

1. ✖ अ

2. ✖ र

3. ✖ अर

4. ✔ आर

Question Number : 90 Question Id : 16794313603 Question 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-सा शब्द विशेषण है?

Options :

1. ✔ अंतिम

2. ✖ अंत

3. ✖ पर्यन्त

4. ✖ अन्य

Question Number : 90 Question Id : 16794313603 Question 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-सा शब्द विशेषण है?

Options :

1. ✔ अंतिम

2. ✖ अंत

3. ✖ पर्यन्त

4. ✖ अन्य

Question Number : 91 Question Id : 16794313604 Question 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. ✔ प्रभाव

2. ✖ कीड़ा

3. ✖ जगह

4. ✖ मकान

Question Number : 91 Question Id : 16794313604 Question 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. ✔ प्रभाव

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2. ✖ कीड़ा

3. ✖ जगह

4. ✖ मकान

Question Number : 92 Question Id : 16794313605 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

तद्भव शब्द कौन-सा है?

Options :

1. ✔ सूखा

2. ✖ पुत्र

3. ✖ योग

4. ✖ मित्र

Question Number : 92 Question Id : 16794313605 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

तद्भव शब्द कौन-सा है?

Options :

1. ✔ सूखा

2. ✖ पुत्र

3. ✖ योग

4. ✖ मित्र

Question Number : 93 Question Id : 16794313606 Question 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 मारने योग्य न हो'। वाक्यांश के लिए एक शब्द है:

Options :

1. ✖ वध

2. ✔ अवध्य

3. ✖ निष्प्राण

4. ✖ गंतव्य

Question Number : 93 Question Id : 16794313606 Question 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 मारने योग्य न हों'। वाक्यांश के लिए एक शब्द है:

Options :

1. ✖ वध

2. ✔ अवध्य

3. ✖ निष्प्राण

4. ✖ गंतव्य

Question Number : 94 Question Id : 16794313607 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'इच्छा' शब्द का विलोम होता है:

Options :

1. ✖ आकांक्षा

2. ✖ चाहत

3. ✔ अनिच्छा

4. ✖ ऐच्छिक

Question Number : 94 Question Id : 16794313607 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'इच्छा' शब्द का विलोम होता है:

Options :

1. ✖ आकांक्षा

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2. ✖ चाहत

3. ✔ अनिच्छा

4. ✖ ऐच्छिक

Question Number : 95 Question Id : 16794313608 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'शोभा' का पर्याय नहीं है:

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

Options :

1. कान्ति

2. आना

3. विभा

4. सुंदर

Question Number : 95 Question Id : 16794313608 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'शोभा' का पर्याय नहीं है:

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

Options :

1. कान्ति

2. आना

3. विभा

4. सुंदर

Question Number : 96 Question Id : 16794313609 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'फल' शब्द का बहुवचन (अविभक्तिक) होगा:

Options :

1. ✔ फल

2. ✖ फलों

3. ✖ फलाँ

4. ✖ फलें

Question Number : 96 Question Id : 16794313609 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'फल' शब्द का बहुवचन (अविभक्तिक) होगा:

Options :

1. ✔ फल

2. ✖ फलों

3. ✖ फलाँ

4. ✖ फलें

Question Number : 97 Question Id : 16794313610 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'वह अभी-अभी <u>सोया</u> है।' वाक्य की रेखांकित क्रिया है:

Options :

1. ✖ सकर्मक

2. ✖ द्विकर्मक

3. ✖ प्रेरणार्थक

4. ✔ अकर्मक

Question Number : 97 Question Id : 16794313610 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'वह अभी-अभी <u>सोया</u> है।' वाक्य की रेखांकित क्रिया है:

Options :

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1. ✖ सकर्मक

2. ✖ द्विकर्मक

3. ✖ प्रेरणार्थक

4. ✔ अकर्मक

Question Number : 98 Question Id : 16794313611 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'यश प्राप्त करना।' इस अर्थ को व्यक्त करने वाला मुहावरा है:

Options :

1. ✔ नाम कमाना

2. ✖ पराई आग में कूदना

3. ✖ दिन-रात एक करना

4. ✖ पसीना बहाना

Question Number : 98 Question Id : 16794313611 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'यश प्राप्त करना।' इस अर्थ को व्यक्त करने वाला मुहावरा है:

Options :

1. ✔ नाम कमाना

2. ✖ पराई आग में कूदना

3. ✖ दिन-रात एक करना

4. ✖ पसीना बहाना

Question Number : 99 Question Id : 16794313612 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'माया को माया मिले कर-कर लंबे हाथ' यह लोकोक्ति अर्थ देती है:

Options :

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1. ✖ धीरे किया गया कार्य अच्छा होता है

2. ✔ धनी व्यक्ति को और धन मिलना

3. ✖ देखने में सज्जन हृदय में कपट

4. ✖ रुपया ही सब कुछ है

Question Number : 99 Question Id : 16794313612 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'माया को माया मिले कर-कर लंबे हाथ' यह लोकोक्ति अर्थ देती है:

Options :

1. ✖ धीरे किया गया कार्य अच्छा होता है

2. ✔ धनी व्यक्ति को और धन मिलना

3. ✖ देखने में सज्जन हृदय में कपट

4. ✖ रुपया ही सब कुछ है

Question Number : 100 Question Id : 16794313613 Question 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 गया तो था मगर वहाँ कुछ नहीं मिला।' वाक्य में समुच्चयबोधक पद है:

Options :

1. ✖ मैं गया तो था

2. ✔ मगर

3. ✖ वहाँ

4. ✖ कुछ नहीं मिला

Question Number : 100 Question Id : 16794313613 Question 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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'मैं गया तो था मगर वहाँ कुछ नहीं मिला।' वाक्य में समुच्चयबोधक पद है:

Options :

1. ✖ मैं गया तो था

2. ✔ मगर

3. ✖ वहाँ

4. ✖ कुछ नहीं मिला

Subject Related

Group Number :	6
Group Id :	167943449
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 :	167943514
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:	167943856
Question Shuffling Allowed :	Yes

Question Number : 101 Question Id : 16794313614 Question 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 statement between two rational numbers there lies another rational number is called:

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Options :

1. ✖ Archimedean property

2. ✔ Denseness property

3. ✖ Mid – Value property

4. ✖ Inequality

Question Number : 101 Question Id : 16794313614 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

किन्हीं दो परिमेय संख्याओं के बीच एक और परिमय संख्या होती है- इसे कहा जाता है

Options :

1. ✖ आर्किमिडीयन गुण

2. ✔ घनत्व गुण

3. ✖ मध्य - मान गुण

4. ✖ असमानता (विषमता)

Question Number : 102 Question Id : 16794313615 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

H.C. F of 143 and 481 is 143m+481n, then m, n are equal to:

Options :

1. ✖ -7, 3

2. ✖ -8, 3

3. ✖ -9, 3

4. ✔ -10, 3

Question Number : 102 Question Id : 16794313615 Question 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 143 और 481 का महत्तम समापवर्तक 143m + 481n है, तो m, n बराबर हैं:

Options :

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1. ✖ -7, 3

2. ✖ -8, 3

3. ✖ -9, 3

4. ✔ -10, 3

Question Number : 103 Question Id : 16794313616 Question 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 false?

Options :

1. ✖ Every rational number is a real number

2. ✖ Every integer is a real number

3. ✖ Every irrational number is a real number

4. ✔ $\sqrt{2}$ is a rational number

Question Number : 103 Question Id : 16794313616 Question 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 कथन असत्य है?

Options :

1. ✖ प्रत्येक परिमेय संख्या वास्तविक संख्या होती है

2. ✖ प्रत्येक पूर्णांक वास्तविक संख्या होती है

3. ✖ प्रत्येक अपरिमेय संख्या वास्तविक संख्या होती है

4. ✔ $\sqrt{2}$ एक परिमेय संख्या है

Question Number : 104 Question Id : 16794313617 Question 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 $a = \frac{1}{3-2\sqrt{2}}$, $b = \frac{1}{3+2\sqrt{2}}$ then the value of $a^2 + b^2$ is:

Options :

1. ✖ 35

2. ✔ 34

3. ✖ 37

4. ✖ 36

Question Number : 104 Question Id : 16794313617 Question 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 $a = \frac{1}{3-2\sqrt{2}}$, $b = \frac{1}{3+2\sqrt{2}}$ तो $a^2 + b^2$ का मान है

Options :

1. ✖ 35

2. ✔ 34

3. ✖ 37

4. ✖ 36

Question Number : 105 Question Id : 16794313618 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

By what number $\frac{2}{3}^{-6}$ be divided that the quotient is equals to $\frac{3}{2}^{-6}$

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

Options :

1. $\left(\frac{3}{2}\right)^{12}$

2. $\left(\frac{3}{2}\right)^{6}$

3. $\left(\frac{2}{3}\right)^{6}$

4. $\left(\frac{2}{3}\right)^{12}$

Question Number : 105 Question Id : 16794313618 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

$\frac{2}{3}^{-6}$ को किस संख्या से भाग दिया जाए कि भागफल $\frac{3}{2}^{-6}$ के बराबर हो?

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

Options :

1. $\left(\frac{3}{2}\right)^{12}$

2. $\left(\frac{3}{2}\right)^{6}$

3. $\left(\frac{2}{3}\right)^{6}$

4. $\left(\frac{2}{3}\right)^{12}$

Question Number : 106 Question Id : 16794313619 Question 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 φ is the Euler's Totieut function , then $\varphi(92)$ is:

Options :

1. ✖ 42

2. ✔ 44

3. ✖ 46

4. ✖ 48

Question Number : 106 Question Id : 16794313619 Question 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 φ यूलर का टोटियट फलक है, तो $\varphi(92)$ =

Options :

1. ✖ 42

2. ✔ 44

3. ✖ 46

4. ✖ 48

Question Number : 107 Question Id : 16794313620 Question 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 ways in which 39312 can be resolved into two factors which are prime to each other are:

Options :

1. ✖ 4

2. ✖ 6

3. ✔ 8

4. ✖ 10

Question Number : 107 Question Id : 16794313620 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

कितने तरीके से 39312 को दो खण्डों में बांटा जा सकता है, जो एक दूसरे के संदर्भ में अभाज्य (prime) हैं?

Options :

1. ✖ 4

2. ✖ 6

3. ✔ 8

4. ✖ 10

Question Number : 108 Question Id : 16794313621 Question 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 is a whole number and p is a prime number then according to Fermat's theorem:

Options :

1. ✔ $2^p - 2$ is divisible by p

2. ✖ $2^p - 2$ is not divisible by p

3. ✖ $2^p - 1$ is divisible by p

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4. ✖ $2^{p-1} - 2$ is divisible by p

Question Number : 108 Question Id : 16794313621 Question 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 पूर्ण संख्या है और p रूढ़ संख्या है तो फर्मेट के प्रमेय के अनुसार

Options :

1. ✔ $2^p - 2$ p द्वारा विभाज्य है

2. ✖ $2^p - 2$ p द्वारा विभाज्य नहीं है

3. ✖ $2^p - 1$ p द्वारा विभाज्य है

4. ✖ $2^{p-1} - 2$ p द्वारा विभाज्य है

Question Number : 109 Question Id : 16794313622 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Apply Chinese Remainder Theorem to solve

$X = 3 \pmod 5$, $X=5 \pmod 7$. The common solution is:

Options :

1. ✔ $X = 33 \pmod{35}$

2. ✖ $X = 28 \pmod{35}$

3. ✖ $X = 31 \pmod 5$

4. ✖ $X = 27 \pmod{35}$

Question Number : 109 Question Id : 16794313622 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$X = 3 \pmod 5$, $X = 5 \pmod 7$. को हल करने के लिए चीनी शेष प्रमेय प्रयोग करें।

इसका सामान्य हल होगा:

Options :

1. ✔ $X = 33 \pmod{35}$

2. ✖ $X = 28 \pmod{35}$

3. ✖ $X = 31 \pmod{5}$

4. ✖ $X = 27 \pmod{35}$

Question Number : 110 Question Id : 16794313623 Question 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 every positive integer n, $n^7 + \frac{n^5}{5} + \frac{2n^3}{3} - \frac{n}{105}$ is:

Options :

1. ✖ An integer

2. ✔ A rational number

3. ✖ A negative real number

4. ✖ An odd integer

Question Number : 110 Question Id : 16794313623 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

प्रत्येक धनात्मक पूर्णांक n के लिए $n^7 + \frac{n^5}{5} + \frac{2n^3}{3} - \frac{n}{105}$ है।

Options :

1. ✖ एक पूर्णांक

2. ✔ एक परिमेय संख्या

3. ✖ एक ऋणात्मक वास्तविक संख्या

4. ✖ एक विषम पूर्णांक

Question Number : 111 Question Id : 16794313624 Question 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 factors and their sum of 360 are :

Options :

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1. ✖ 12, 540

2. ✔ 24, 1170

3. ✖ 24, 1080

4. ✖ 12, 810

Question Number : 111 Question Id : 16794313624 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

360 के खण्डों की संख्या और उनके योग हैं

Options :

1. ✖ 12, 540

2. ✔ 24, 1170

3. ✖ 24, 1080

4. ✖ 12, 810

Question Number : 112 Question Id : 16794313625 Question 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 sets of vectors in R^3 are linearly independent:

1. $[(1,0,0),(0,1,0),(1,1,0)]$
2. $[(1,0,0),(0,1,0),(0,0,1)]$
3. $[(0,1,0),(1,0,1),(1,1,0)]$
4. $[(0,0,1),(0,1,0),(0,1,1)]$

Options :

1. ✖ 1 and 2

2. ✔ 2 and 3

3. ✖ 3 and 4

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4. ✖ 1 and 4

Question Number : 112 Question Id : 16794313625 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

R^3 के सदिशों (वेक्टरों) में से कौन से समुच्चय रैखिक रूप से स्वतंत्र हैं?

1. $[(1,0,0),(0,1,0),(1,1,0)]$
2. $[(1,0,0),(0,1,0),(0,0,1)]$
3. $[(0,1,0),(1,0,1),(1,1,0)]$
4. $[(0,0,1),(0,1,0),(0,1,1)]$

Options :

1. ✖ 1 और 2

2. ✔ 2 और 3

3. ✖ 3 और 4

4. ✖ 1 और 4

Question Number : 113 Question Id : 16794313626 Question 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 set is the basis for the subspace $W=\left\{\begin{bmatrix} x & y \\ 0 & t \end{bmatrix} : X+2y+t=0, y+t=0\right\}$

Options :

1. ✖ $\left\{\begin{bmatrix} 1 & 0 \\ 0 & 0 \end{bmatrix}, \begin{bmatrix} 0 & 1 \\ 0 & 0 \end{bmatrix}, \begin{bmatrix} 0 & 0 \\ 0 & 1 \end{bmatrix}\right\}$

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

3. ✖ $\left\{\begin{bmatrix} -1 & 1 \\ 2 & -1 \end{bmatrix}\right\}$

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

Question Number : 113 Question Id : 16794313626 Question 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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निम्न में से कौन सा समुच्चय उप-स्थान W = $\left\{\begin{bmatrix} x & y \\ 0 & t \end{bmatrix} : X + 2y + t = 0, y + t = 0\right\}$ का आधार है?

Options :

1. ✖ $\left\{\begin{bmatrix} 1 & 0 \\ 0 & 0 \end{bmatrix}, \begin{bmatrix} 0 & 1 \\ 0 & 0 \end{bmatrix}, \begin{bmatrix} 0 & 0 \\ 0 & 1 \end{bmatrix}\right\}$

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

3. ✖ $\left\{\begin{bmatrix} -1 & 1 \\ 2 & -1 \end{bmatrix}\right\}$

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

Question Number : 114 Question Id : 16794313627 Question 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 set of all triplets (x_1, x_2, x_3) of real number R form a vector space V_3 then a subspace denoted by a vertical plane y=x can be obtained by a linear combination of sets:

Options :

1. ✔ (1, 1, 0) and (0, 0, 1)

2. ✖ (1, 1, 0) and (1, 0, 0)

3. ✖ (1, 0, 0) and (0, 1, 0)

4. ✖ (1, 0, 1) and (0, 0, 1)

Question Number : 114 Question Id : 16794313627 Question 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 वास्तविक संख्या R के सभी त्रिक (x_1, x_2, x_3) के समुच्चय से सदिश स्थान V_3 बनता है तो ऊर्ध्वाधर सतह $y = x$ द्वारा निर्दिष्ट उप स्थान किन समुच्चयों के रैखिक संयोजन द्वारा प्राप्त किया जा सकता है?

Options :

1. ✔ (1, 1, 0) और (0, 0, 1)

2. ✖ (1, 1, 0) और (1, 0, 0)

3. ✖ (1, 0, 0) और (0, 1, 0)

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4. ✖ (1, 0, 1) और (0, 0, 1)

Question Number : 115 Question Id : 16794313628 Question 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 rank of the matrix $\begin{bmatrix} 1 & 1 & 1 \\ a & b & c \\ a^2 & b^2 & c^2 \end{bmatrix}$ where $a = b \neq c$ is:

Options :

1. ✖ 0

2. ✖ 1

3. ✔ 2

4. ✖ 3

Question Number : 115 Question Id : 16794313628 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

मैट्रिक्स $\begin{bmatrix} 1 & 1 & 1 \\ a & b & c \\ a^2 & b^2 & c^2 \end{bmatrix}$ का स्थान क्या होगा यदि a = b ≠ c है?

Options :

1. ✖ 0

2. ✖ 1

3. ✔ 2

4. ✖ 3

Question Number : 116 Question Id : 16794313629 Question 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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The following simultaneous equations:

$x + y + z = 3$

$x + 2y + 3z = 4$

$x + 4y + kz = 6$

Will not have a unique solution for k equal to:

Options :

1. ✖ 0

2. ✖ 5

3. ✖ 6

4. ✔ 7

Question Number : 116 Question Id : 16794313629 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्न समकालिक समीकरणों का अनन्य हल नहीं निकल सकता है यदि k =

x + y + z = 3

x + 2y + 3z = 4

x + 4y + kz = 6

Options :

1. ✖ 0

2. ✖ 5

3. ✖ 6

4. ✔ 7

Question Number : 117 Question Id : 16794313630 Question 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 equations $2x^3 + 5x^2 - 6x - 9 = 0$ and $3x^3 + 7x^2 - 11x - 15 = 0$ have two common roots find them:

Options :

1. ✖ $(1, -3)$

2. ✖ $\left(-1,\frac{-3}{2}\right)$

3. ✔ $(-1,-3)$

4. ✖ $\left(1,\frac{3}{2}\right)$

Question Number : 117 Question Id : 16794313630 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

समीकरणों $2x^3+5x^2-6x-9=0$ और $3x^3+7x^2-11x-15=0$ में दो सामान्य मूल हैं, उन्हें ज्ञात करें:

Options :

1. ✖ $(1,-3)$

2. ✖ $\left(-1,\frac{-3}{2}\right)$

3. ✔ $(-1,-3)$

4. ✖ $\left(1,\frac{3}{2}\right)$

Question Number : 118 Question Id : 16794313631 Question 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 sum of the cubes of the roots of the equation $x^3-6x^2+11x-6=0$

Options :

1. ✔ 36

2. ✖ 35

3. ✖ 32

4. ✖ 31

Question Number : 118 Question Id : 16794313631 Question 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 $x^3-6x^2+11x-6=0$ के मूल घनों का योग निकालें:

Options :

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1. ✔ 36

2. ✖ 35

3. ✖ 32

4. ✖ 31

Question Number : 119 Question Id : 16794313632 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Solve the equation $x^3 - 13x^2 + 15x + 189 = 0$, being given that one of the roots exceeds another by 2

Options :

1. ✔ $(-3,7,9)$

2. ✖ $(-3,-7,-9)$

3. ✖ $(3,7,9)$

4. ✖ $(3,-7,-9)$

Question Number : 119 Question Id : 16794313632 Question 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 $x^3 - 13x^2 + 15x + 189 = 0$ को हल करें, यदि यह ज्ञात हो कि दोनों में से एक का मूल दूसरे से 2 अधिक है:

Options :

1. ✔ $(-3,7,9)$

2. ✖ $(-3,-7,-9)$

3. ✖ $(3,7,9)$

4. ✖ $(3,-7,-9)$

Question Number : 120 Question Id : 16794313633 Question 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 quadratic polynomial in x leaves remainder 4, 4 and 0 respectively . When divided by $(x-1), (x-2)$ *and* $x-3$. Find its quadratic polynomial:

Options :

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1. ✖ $-2x^2+6x+3$

2. ✔ $-2x^2+6x$

3. ✖ $-2x^2+6x+5$

4. ✖ $-2x^2+6x-5$

Question Number : 120 Question Id : 16794313633 Question 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 में एक द्विघातीय बहुपद $(x-1),(x-2)$ और $x-3$ द्वारा विभाजित किये जाने पर क्रमशः $4, 4$ और 0 शेष देता है, इसके द्विघातीय बहुपद खोजें:

Options :

1. ✖ $-2x^2+6x+3$

2. ✔ $-2x^2+6x$

3. ✖ $-2x^2+6x+5$

4. ✖ $-2x^2+6x-5$

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Subject Related

Group Number :	7
Group Id :	167943450
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 :	167943515
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	20

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

Sub-Section Number:	1
Sub-Section Id:	167943857
Question Shuffling Allowed :	Yes

Question Number : 121 Question Id : 16794313634 Question 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 $\alpha+\beta+\gamma=5$, $\alpha\beta+\beta\gamma+\gamma\alpha=7$ and $\alpha\beta\gamma=3$, then the equation where roots are α, β and γ is:

Options :

1. ✖ $x^3-7=0$

2. ✖ $x^2+7x^2+3=0$

3. ✔ $x^3-5x^2+7x-3=0$

4. ✖ $x^3+7x^2-3=0$

Question Number : 121 Question Id : 16794313634 Question 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 $\alpha+\beta+\gamma=5$, $\alpha\beta+\beta\gamma+\gamma\alpha=7$ और $\alpha\beta\gamma=3$ हैं तो समीकरण जहाँ मूल α, β और γ हैं, क्या होगा?

Options :

1. ✖ $x^3-7=0$

2. ✖ $x^2+7x^2+3=0$

3. ✔ $x^3-5x^2+7x-3=0$

4. ✖ $x^3+7x^2-3=0$

Question Number : 122 Question Id : 16794313635 Question 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 polynomial $2x^4+kn^3-75k$ is divided by x the remainder is 150, then the value of k will be:

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

Options :

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1. -2

2. -1

3. 1

4. 2

Question Number : 122 Question Id : 16794313635 Question 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 बहुपदी $2x^4 + kn^3 - 75k$ को x से विभाजित किया जाता है तो 150 शेष आता है तो k का मान क्या होगा?

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

Options :

1. -2

2. -1

3. 1

4. 2

Question Number : 123 Question Id : 16794313636 Question 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 value of k do the equations $3(k-1)x + 4y = 24$ *and* $15x + 20y = 8(k+13)$ have infinite solutions?

Options :

1. ✖ 1

2. ✖ 4

3. ✖ 3

4. ✔ 2

Question Number : 123 Question Id : 16794313636 Question 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 के किस मान के संदर्भ में समीकरणों $3(k-1)x + 4y = 24$ और $15x + 20y = 8(k+13)$ के अनंत हल हो सकते हैं?

Options :

1. ✖ 1

2. ✖ 4

3. ✖ 3

4. ✔ 2

Question Number : 124 Question Id : 16794313637 Question 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 system of equations $2x - 3y = 3$ *and* $-4x + qy = \frac{p}{2}$ is inconsistent which of the following cannot be the value of p?

Options :

1. ✖ -24

2. ✔ -12

3. ✖ -18

4. ✖ -36

Question Number : 124 Question Id : 16794313637 Question 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 समीकरण $2x - 3y = 3$ और $-4x + qy = \frac{p}{2}$ की पध्दति असंगत है तो इनमें से कौन सा p का मान नहीं हो सकता है?

Options :

1. ✖ -24

2. ✔ -12

3. ✖ -18

4. ✖ -36

Question Number : 125 Question Id : 16794313638 Question 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 an ordered pair satisfying the equations $2x - 3y = 18$ *and* $4x - y = 16$ also satisfying the equation $5x - py - 23 = 0$, then find the value of p:

Options :

1. ✖ 1

2. ✔ 2

3. ✖ -1

4. ✖ -2

Question Number : 125 Question Id : 16794313638 Question 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 एक व्यवस्थित जोड़ा जो समीकरणों $2x-3y=18$ और $4x-y=16$ के अनुसार संगत है और वह समीकरण $5x-py-23=0,$ से भी सुसंगत है तो p का मान ज्ञात करें।

Options :

1. ✖ 1

2. ✔ 2

3. ✖ -1

4. ✖ -2

Question Number : 126 Question Id : 16794313639 Question 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 $a_1x+b_1y+c_1=0$ *and* $a_2x+b_2y+c_2=0$ have infinite number of solutions, then which one of the following is correct:

Options :

1. ✖ $\frac{a_1}{a_2}=\frac{b_1}{b_2}\neq\frac{c_1}{c_2}$

2. ✖ $\frac{a_1}{a_2}\neq\frac{b_1}{b_2}=\frac{c_1}{c_2}$

3. ✖ $\frac{a_1}{a_2}\neq\frac{b_1}{b_2}\neq\frac{c_1}{c_2}$

4. ✔ $\frac{a_1}{a_2}=\frac{b_1}{b_2}=\frac{c_1}{c_2}$

Question Number : 126 Question Id : 16794313639 Question 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 $a_1x+b_1y+c_1=0$ और $a_2x+b_2y+c_2=0$ के अनगिनत समाधान हैं तो इसमें से कौन सा विकल्प सत्य है?

Options :

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1. ✗ $\frac{a_1}{a_2} = \frac{b_1}{b_2} \neq \frac{c_1}{c_2}$

2. ✗ $\frac{a_1}{a_2} \neq \frac{b_1}{b_2} = \frac{c_1}{c_2}$

3. ✗ $\frac{a_1}{a_2} \neq \frac{b_1}{b_2} \neq \frac{c_1}{c_2}$

4. ✓ $\frac{a_1}{a_2} = \frac{b_1}{b_2} = \frac{c_1}{c_2}$

Question Number : 127 Question Id : 16794313640 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Mukesh has some cows and some hens in the shed. The total number of legs is 92 and total number of heads is 29. Find the total number of cows in shed:

Options :

1. ✗ 12

2. ✗ 14

3. ✓ 17

4. ✗ 19

Question Number : 127 Question Id : 16794313640 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

मुकेश के पास कुछ गायें और मुर्गियां हैं। इनकी टांगों की कुल संख्या 92 और सिरों की संख्या 29 है। गायों की कुल संख्या निकालें:

Options :

1. ✗ 12

2. ✗ 14

3. ✓ 17

4. ✗ 19

Question Number : 128 Question Id : 16794313641 Question 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 the equation $x^2 - 12x + 32 = 0$ then the value of $\frac{\alpha^2+\beta^2}{\alpha+\beta}$ is:

Options :

1. ✖ $-\frac{8}{3}$

2. ✖ $\frac{8}{3}$

3. ✖ $-\frac{20}{3}$

4. ✔ $\frac{20}{3}$

Question Number : 128 Question Id : 16794313641 Question 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 α और β समीकरण $x^2 - 12x + 32 = 0$ के घात हैं तो $\frac{\alpha^2+\beta^2}{\alpha+\beta}$ का मान होगा:

Options :

1. ✖ $-\frac{8}{3}$

2. ✖ $\frac{8}{3}$

3. ✖ $-\frac{20}{3}$

4. ✔ $\frac{20}{3}$

Question Number : 129 Question Id : 16794313642 Question 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 one of the roots of quadratic equation having rational coefficients is $\sqrt{7} - 4$, then the quadratic equation is:

Options :

1. ✔ $x^2 - 2\sqrt{7}x - 9 = 0$

2. ✖ $x^2 - 8x + 9 = 0$

3. ✖ $x^2 + 8x + 9 = 0$

4. ✖ $x^2 - 2\sqrt{7}x + 9 = 0$

Question Number : 129 Question Id : 16794313642 Question 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 परिमेय गुणांक वाली किसी द्विघातीय समीकरण की एक वर्गमूल $\sqrt{7} - 4$ है तो द्विघातीय समीकरण होगा:

Options :

1. ✔ $x^2 - 2\sqrt{7}x - 9 = 0$

2. ✖ $x^2 - 8x + 9 = 0$

3. ✖ $x^2 + 8x + 9 = 0$

4. ✖ $x^2 - 2\sqrt{7}x + 9 = 0$

Question Number : 130 Question Id : 16794313643 Question 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 nature of the roots of the equation $4x^2 - 2x - 3 = 0$.

Options :

1. ✖ Real and equal

2. ✖ Rational and unequal

3. ✔ Irrational and unequal

4. ✖ Imaginary

Question Number : 130 Question Id : 16794313643 Question 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 $4x^2 - 2x - 3 = 0$ के वर्गमूल की प्रकृति होगी

Options :

1. ✖ वास्तविक और समान

2. ✖ परिमेय और असमान

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3. ✔ अपरिमेय और असमान

4. ✖ काल्पनिक

Question Number : 131 Question Id : 16794313644 Question 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 one root of the equation $x^2 + px + 12 = 0$ is 4, while the equation $x^2 + px + q = 0$ has equal roots, then the value of q is:

Options :

1. ✖ 3

2. ✖ 12

3. ✔ $\frac{49}{4}$

4. ✖ 4

Question Number : 131 Question Id : 16794313644 Question 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 समीकरण $x^2 + px + 12 = 0$ का वर्गमूल 4 है और समीकरण $x^2 + px + q = 0$ के समान वर्गमूल हैं तो q का मान है:

Options :

1. ✖ 3

2. ✖ 12

3. ✔ $\frac{49}{4}$

4. ✖ 4

Question Number : 132 Question Id : 16794313645 Question 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 $(a-b)$ and $(b-c)$ are the roots of $ax^2 + bx + c = 0$ then the value of $\frac{(a-b)(b-c)}{c-a}$ is:

Options :

1. ✖ $\frac{b}{c}$

2. ✔ $\frac{c}{b}$

3. ✖ $\frac{ab}{c}$

4. ✖ $\frac{bc}{a}$

Question Number : 132 Question Id : 16794313645 Question 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 $ax^2 + bx + c = 0$ के समान वर्गमूल $(a - b)$ और $(b - c)$ हैं तो $\frac{(a-b)(b-c)}{c-a}$ का मान है:

Options :

1. ✖ $\frac{b}{c}$

2. ✔ $\frac{c}{b}$

3. ✖ $\frac{ab}{c}$

4. ✖ $\frac{bc}{a}$

Question Number : 133 Question Id : 16794313646 Question 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 quadratic equation $(a^2 - b^2)x^2 + (b^2 - c^2)x + c^2 - a^2 = 0$ has equal roots, then which of the following is true:

Options :

1. ✖ $b^2 + c^2 = a^2$

2. ✔ $b^2 + c^2 = 2a^2$

3. ✖ $b^2 - c^2 = 2a^2$

4. ✖ $b^2 = c^2 + 2a^2$

Question Number : 133 Question Id : 16794313646 Question 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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यदि द्विघातीय समीकरण $(a^2 - b^2)x^2 + (b^2 - c^2)x + c^2 - a^2 = 0$ के समान वर्गमूल हैं तो इनमें से कौन सा विकल्प सत्य है?

Options :

1. ✖ $b^2 + c^2 = a^2$

2. ✔ $b^2 + c^2 = 2a^2$

3. ✖ $b^2 - c^2 = 2a^2$

4. ✖ $b^2 = c^2 + 2a^2$

Question Number : 134 Question Id : 16794313647 Question 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 term of the arithmetic progression 21, 42, 63, 84 _____ is 420 ?

Options :

1. ✖ 19

2. ✔ 20

3. ✖ 21

4. ✖ 22

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Question Number : 134 Question Id : 16794313647 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

श्रेणी 21, 42, 63, 84 ..... का कौन सा पद 420 होगा?

Options :

1. ✖ 19

2. ✔ 20

3. ✖ 21

4. ✖ 22

Question Number : 135 Question Id : 16794313648 Question 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 the first 20 terms of an arithmetic progression whose first term is 5 and common difference is 4 is - - - - :

Options :

1. ✖ 820

2. ✖ 830

3. ✖ 850

4. ✔ 860

Question Number : 135 Question Id : 16794313648 Question 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 किसी श्रेणी के पहले 20 पदों का योग जिसका पहला पद 5 है और सामान्य अंतर 4 है का योग कितना होगा?

Options :

1. ✖ 820

2. ✖ 830

3. ✖ 850

4. ✔ 860

Question Number : 136 Question Id : 16794313649 Question 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 the first 51 terms of the arithmetic progression 2^{nd} term is 2 and 4^{th} term is 8, is _____ :

Options :

1. ✔ 3774

2. ✖ 3477

3. ✖ 7548

4. ✖ 7458

Question Number : 136 Question Id : 16794313649 Question 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 श्रेणी का दूसरा पद 2 और चौथा पद 8 है तो इसके पहले 51 पदों का जोड़ होगा:

Options :

1. ✔ 3774

2. ✖ 3477

3. ✖ 7548

4. ✖ 7458

Question Number : 137 Question Id : 16794313650 Question 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 16 terms of an A.P. is 1624 and the first term is 500 times the common difference, then find the common difference:

Options :

1. ✖ 5

2. ✖ $\frac{1}{2}$

3. ✔ $\frac{1}{5}$

4. ✖ 2

Question Number : 137 Question Id : 16794313650 Question 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 किसी श्रेणी के पहले 16 पदों का योग 1624 है और इसका पहला पद सामान्य अंतर का 500 गुना है तो सामान्य अंतर निकालें:

Options :

1. ✖ 5

2. ✖ $\frac{1}{2}$

3. ✔ $\frac{1}{5}$

4. ✖ 2

Question Number : 138 Question Id : 16794313651 Question 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 term of A.P. whose sum of n terms is given by $4n^2 + 3n$, is:

Options :

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1. ✖ $6n+2$

2. ✖ $6n-2$

3. ✖ $8n+1$

4. ✔ $8n-1$

Question Number : 138 Question Id : 16794313651 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

जिस श्रेणी के n पदों का योग $4n^2+3n$, है, उसका सामान्य पद होगा:

Options :

1. ✖ $6n+2$

2. ✖ $6n-2$

3. ✖ $8n+1$

4. ✔ $8n-1$

Question Number : 139 Question Id : 16794313652 Question 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 $a^2+b^2+c^2=1$ *then* $ab+bc+ca$ lies in the interval:

Options :

1. ✖ $\left[\frac{1}{2},1\right]$

2. ✖ $\left[0,\frac{1}{2}\right]$

3. ✔ $\left[-\frac{1}{2},1\right]$

4. ✖ $\left[-1,\frac{1}{2}\right]$

Question Number : 139 Question Id : 16794313652 Question 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 $a^2+b^2+c^2=1$ तो $ab+bc+ca$ किस अंतराल में होगा?

Options :

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1. ✖ $\left[\frac{1}{2}, 1\right]$

2. ✖ $\left[0, \frac{1}{2}\right]$

3. ✔ $\left[-\frac{1}{2}, 1\right]$

4. ✖ $\left[-1, \frac{1}{2}\right]$

Question Number : 140 Question Id : 16794313653 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$(a+b+c)\left(\frac{1}{a}+\frac{1}{b}+\frac{1}{c}\right)$ is:

Options :

1. ✖ Greater than or equal to 3

2. ✔ Greater than or equal to 9

3. ✖ Less than or equal to 9

4. ✖ Less than or equal to 3

Question Number : 140 Question Id : 16794313653 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$(a+b+c)\left(\frac{1}{a}+\frac{1}{b}+\frac{1}{c}\right)$ है:

Options :

1. ✖ 3 से अधिक या उसके बराबर

2. ✔ 9 से अधिक या उसके बराबर

3. ✖ 9 से कम या उसके बराबर

4. ✖ 3 से कम या उसके बराबर

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Subject Related

Group Number :	8
Group Id :	167943451
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 :	167943516
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:	167943858
Question Shuffling Allowed :	Yes

Question Number : 141 Question Id : 16794313654 Question 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 be positive number such that $a+b+c=4, then\ a^3+b^3+c^3$ is:

Options :

1. ✔ Greater than or equal to $\frac{64}{9}$

2. ✖ Less than or equal to $\frac{64}{9}$

3. ✖ Greater than or equal to $\frac{16}{19}$

4. ✖ Less than or equal to $\frac{16}{19}$

Question Number : 141 Question Id : 16794313654 Question 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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यदि a, b, c इस प्रकार की धनात्मक संख्याएँ हैं कि $a+b+c=4$, तो $a^3+b^3+c^3$:

Options :

1. ✔ $\frac{64}{9}$ से अधिक या उसके बराबर

2. ✖ $\frac{64}{9}$ से कम या उसके बराबर

3. ✖ $\frac{16}{19}$ से अधिक या उसके बराबर

4. ✖ $\frac{16}{19}$ से कम या उसके बराबर

Question Number : 142 Question Id : 16794313655 Question 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 inequality is correct if $a_1, a_2, a_3, - - - -, a_n$ be real numbers? (use Tchebychef's inequality)

Options :

1. ✖ $(a_1+a_2+a_3 - - - - +a_n)^2 >, n(a_1^2+a_2^2 + - - - - +a_n^2)$

2. ✖ $(a_1+a_2+a - - - - +a_n)^2 >, (n-1)(a_1^2+a_2^2 + - - - - +a_n^2)$

3. ✔ $(a_1+a_2 + - - - - +a_n)^2 \leq, n(a_1^2+a_2^2 + - - - - +a_n^2)$

4. ✖ $(a_1+a_2 + - - - - +a_n)^2 \leq, (n-1)(a_1^2+a_2^2 + - - - - +a_n^2)$

Question Number : 142 Question Id : 16794313655 Question 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 $a_1, a_2, a_3, - - - -, a_n$ वास्तविक संख्याएं हैं तो कौन सी विषमता सत्य होगी? (चेबायेचेफ विषमता का प्रयोग करें)

Options :

1. ✖ $(a_1+a_2+a_3 - - - - +a_n)^2 >, n(a_1^2+a_2^2 + - - - - +a_n^2)$

2. ✖ $(a_1+a_2+a - - - - +a_n)^2 >, (n-1)(a_1^2+a_2^2 + - - - - +a_n^2)$

3. ✔ $(a_1+a_2 + - - - - +a_n)^2 \leq, n(a_1^2+a_2^2 + - - - - +a_n^2)$

4. ✖ $(a_1 + a_2 + - - - - + a_n)^2 \leq, (n-1)(a_1^2 + a_2^2 + - - - - + a_n^2)$

Question Number : 143 Question Id : 16794313656 Question 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, x, y, z are the real numbers such that $a^2 + b^2 + c^2 = 1, x^2 + y^2 + z^2 = 1$, then $ax + by + cz$

Options :

1. ✖ Greater than or equal to 1

2. ✖ Greater than or equal to 3

3. ✔ Less than or equal to 1

4. ✖ Less than or equal to 3

Question Number : 143 Question Id : 16794313656 Question 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, b, c, x, y, z इस प्रकार की वास्तविक संख्याएँ हैं कि $a^2 + b^2 + c^2 = 1, x^2 + y^2 + z^2 = 1$, तो $ax + by + cz =$

Options :

1. ✖ 1 से अधिक या उसके बराबर

2. ✖ 3 से अधिक या उसके बराबर

3. ✔ 1 से कम या उसके बराबर

4. ✖ 3 से कम या उसके बराबर

Question Number : 144 Question Id : 16794313657 Question 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, d are four positive real numbers such that $abcd = 1$, then $(1 + a)(1 + b)(1 + c)(1 + d)$ is:

Options :

1. ✖ Less than or equal to 8

2. ✖ Less than or equal to 15

3. ✖ Greater than or equal to 8

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4. ✔ Greater than or equal to 16

Question Number : 144 Question Id : 16794313657 Question 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, b, c, d इस प्रकार की धनात्मक वास्तविक संख्याएँ हैं कि $abcd = 1$, तो $(1+a)(1+b)(1+c)(1+d)$ =

Options :

1. ✖ 8 से कम या इसके बराबर

2. ✖ 15 से कम या इसके बराबर

3. ✖ 8 के बराबर या इससे बड़ा

4. ✔ 16 के बराबर या इससे बड़ा

Question Number : 145 Question Id : 16794313658 Question 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 numbers from 1 to 1000 are not divisible by 2, 3 and 5?

Options :

1. ✖ 262

2. ✖ 264

3. ✔ 266

4. ✖ 268

Question Number : 145 Question Id : 16794313658 Question 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 से 1000 के बीच कितनी संख्याएँ है जो 2, 3 और 5 से विभाज्य नहीं हैं?

Options :

1. ✖ 262

2. ✖ 264

3. ✔ 266

4. ✖ 268

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Question Number : 146 Question Id : 16794313659 Question 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 every $(n+1)$ - - elementic subset of the set $(1,2,3,- - - - 2n)$ which of the following is correct:

Options :

1. ✔ There exist at least two natural numbers which are prime to each other

2. ✖ There exist no consecutive natural number

3. ✖ There exist at least three natural umber which are prime to each other

4. ✖ There exist more than two natural numbers which are prime to each other

Question Number : 146 Question Id : 16794313659 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

समुच्चय $(1,2,3,- - - - 2n)$ उप-समुच्चय के प्रत्येक $(n+1)- -$ घटक के बारे में कौन सा कथन सत्य है?

Options :

1. ✔ न्यूनतम दो प्राकृत संख्याएँ है, जो एक दूसरे के संदर्भ में अभाज्य संख्याएँ हैं

2. ✖ कोई अनुगामी प्राकृत संख्या नहीं है

3. ✖ न्यूनतम तीन प्राकृत संख्याएँ है, जो एक दूसरे के संदर्भ में अभाज्य संख्याएँ हैं

4. ✖ दो से अधिक दो प्राकृत संख्याएँ है, जो एक दूसरे के संदर्भ में अभाज्य संख्याएँ हैं

Question Number : 147 Question Id : 16794313660 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Given the recurrence relation $f(n) = (n-1) + f(n-1),\ n > 72,\ f(2) = 1, then\ f(n)\ is:$

Options :

1. ✔ $\frac{n(n-1)}{2}$

2. ✖ $\frac{n(n+1)}{2}$

3. ✖ $\frac{3}{2}n(n-1)$

4. ✖ $\frac{3}{2}n(n+1)$

Question Number : 147 Question Id : 16794313660 Question 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 वाले इस सम्बन्ध $f(n) = (n-1) + f(n-1),\ n > 72,\ f(2) = 1$ के संदर्भ में $f(n) = ?$

Options :

1. ✔ $\frac{n(n-1)}{2}$

2. ✖ $\frac{n(n+1)}{2}$

3. ✖ $\frac{3}{2}n(n-1)$

4. ✖ $\frac{3}{2}n(n+1)$

Question Number : 148 Question Id : 16794313661 Question 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 be a positive integer. If the coefficient of 2^{nd}, 3^{rd}, 4^{th} terms in the expansion of $(1+x)^n$ are in A.P. Then the value of n is:

Options :

1. ✖ 9

2. ✖ 8

3. ✔ 7

4. ✖ 5

Question Number : 148 Question Id : 16794313661 Question 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 n धनात्मक पूर्णांक है और $(1+x)^n$ के विस्तार के दूसरे, तीसरे और चौथे पद के गुणांक श्रेढ़ी में हैं तो n का मान होगा:

Options :

1. ✖ 9

2. ✖ 8

3. ✔ 7

4. ✖ 5

Question Number : 149 Question Id : 16794313662 Question 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 every integer $n >, 2$ the sum of the expansions $1 - n_{C_1} + n_{C_2} + - - (-1)^n n_{C_n}$ $is - - -:$

Options :

1. ✔ 0

2. ✖ $n\,2^{m-1}$

3. ✖ $n(n-1)2^{n-2}$

4. ✖ $(2n_{C_n})^2$

Question Number : 149 Question Id : 16794313662 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

प्रत्येक पूर्णांक जहां $n > 2$, $1 - n_{C_1} + n_{C_2} + \cdots (-1)^n n_{C_n}$ के विस्तार का योग होगा।

Options :

1. ✔ 0

2. ✖ $n\,2^{m-1}$

3. ✖ $n(n-1)2^{n-2}$

4. ✖ $(2n_{C_n})^2$

Question Number : 150 Question Id : 16794313663 Question 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 function of $f(x) = \frac{x}{x-1}$, express $f(3x)$ in terms of $f(x)$

Options :

1. ✖ $\frac{3f(x)}{3f(x)-1}$

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2. ✖ $\frac{3f(x)}{3f(x)-3}$

3. ✔ $\frac{3f(x)}{2+f(x)+1}$

4. ✖ $3f(x)-1$

Question Number : 150 Question Id : 16794313663 Question 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 $f(x)$ का फलन $=\frac{x}{x-1}$, तो $f(x)-$ के संदर्भ में $f(3x)$ का मान निकालें:

Options :

1. ✖ $\frac{3f(x)}{3f(x)-1}$

2. ✖ $\frac{3f(x)}{3f(x)-3}$

3. ✔ $\frac{3f(x)}{2+f(x)+1}$

4. ✖ $3f(x)-1$

Question Number : 151 Question Id : 16794313664 Question 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 $f(x)-\frac{1}{1+2^{1/x}}$ then at $x=0$ the function is:

Options :

1. ✖ Continuous

2. ✖ Discontinuous because $R\lim_{x\to 0} f(x)$ does not exist

3. ✔ Discontinuous because $L\lim_{x\to 0} f(x) \neq R\lim_{x\to 0} f(x)$

4. ✖ Discontinuous because $\lim_{x\to 0} f(0) \neq f(0)$

Question Number : 151 Question Id : 16794313664 Question 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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यदि $f(x) - \frac{1}{1+2^{1/x}}$ तो $x = 0$

फलन का मान निकालें:

Options :

1. ✖ निरंतर

2. ✖ विच्छिन्न, क्योंकि $R\lim_{x\to 0} f(x)$ का अस्तित्व नहीं है

3. ✔ विच्छिन्न, क्योंकि $L\lim_{x\to 0} f(x) \neq R\lim_{x\to 0} f(x)$

4. ✖ विच्छिन्न, क्योंकि $\lim_{x\to 0} f(0) \neq f(0)$

Question Number : 152 Question Id : 16794313665 Question 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 derivative of $sin^{-1}\frac{2x}{1+x^2}$ w, r, t $tan^{-1}\frac{2x}{1-x^2}$ is equal to:

Options :

1. ✖ 0

2. ✔ 1

3. ✖ $\frac{2x}{1-x^2}$

4. ✖ $\frac{x}{1-x}$

Question Number : 152 Question Id : 16794313665 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$sin^{-1}\frac{2x}{1+x^2}$ w, r, t $tan^{-1}\frac{2x}{1-x^2}$ का व्युत्पन्न होगा:

Options :

1. ✖ 0

2. ✔ 1

3. ✖ $\frac{2x}{1-x^2}$

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4. ✖ $\frac{x}{1-x}$

Question Number : 153 Question Id : 16794313666 Question 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 $(\sin x)^y$, then $\frac{dy}{dx}$ is __:

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

Options :

1. $\frac{y^2 \cot x}{1-y \log(\sin x)}$

2. $\frac{y^2 \cot x}{1+y \log x}$

3. $\frac{y^2 \cot x}{1+y \log(\sin x)}$

4. $\frac{y^2 \cot x}{1-y \log x}$

Question Number : 153 Question Id : 16794313666 Question 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 $(\sin x)^y$, तो $\frac{dy}{dx}$

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

Options :

1. $\frac{y^2 \cot x}{1-y \log(\sin x)}$

2. $\frac{y^2 \cot x}{1+y \log x}$

3. $\frac{y^2 \cot x}{1+y \log(\sin x)}$

4. $\frac{y^2 \cot x}{1-y \log x}$

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Question Number : 154 Question Id : 16794313667 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Evaluation of $\int x\ sec^2 x\ dx$ is:

Options :

1. ✖ $x \tan x - \log \cos x + c$

2. ✔ $x \tan x + \log \cos x + c$

3. ✖ $x \tan x - \log \sin x + c$

4. ✖ $x \tan x + \log \sin x + c$

Question Number : 154 Question Id : 16794313667 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$\int x\ sec^2 x\ dx$ का मान निकालें

Options :

1. ✖ $x\ tan\, x - log\ cos\, x + c$

2. ✔ $x\ tan\, x + log\ cos\, x + c$

3. ✖ $x\ tan\, x - log\ sin\, x + c$

4. ✖ $x\ tan\, x + log\ sin\, x + c$

Question Number : 155 Question Id : 16794313668 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Evaluation of $\int \frac{1-\tan x}{1+\tan x} dx$ is:

Options :

1. ✖ $\log(\sin - \cos x) + c$

2. ✔ $\log(\sin + \cos x) + c$

3. ✖ $\log(\sin - \cot x) + c$

4. ✖ $\log(\cos - \cot x) + c$

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Question Number : 155 Question Id : 16794313668 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$\int \frac{1-\tan x}{1+\tan x} dx$ का मान निकालें:

Options :

1. ✖ $log\,(sin - cos\,x) + c$

2. ✔ $log\,(sin + cos\,x) + c$

3. ✖ $log\,(sin - cot\,x) + c$

4. ✖ $log\,(cos - cot\,x) + c$

Question Number : 156 Question Id : 16794313669 Question 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 $\Delta ABC, AB = 5cm\ BC = 6cm\ and\ CA = 7cm$ a transversal is drawn to cut the sides AB at F, BC produced at D and CA at E so that $AF = 2cm, AE = 4\ cm$ applying Menelaus theorem the length of BD is:

Options :

1. ✖ 8 cm

2. ✔ 10 cm

3. ✖ 12 cm

4. ✖ 14 cm

Question Number : 156 Question Id : 16794313669 Question 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 AB = 5 cm, BC = 6 cm और CA = 7 cm. एक तिर्यक रेखा AB को F पर काटती है, विस्तारित BC को D और CA को E पर इस तरह से काटती है कि AF = 2 cm, AE = 4 cm. मीनीलॉस प्रमेय का प्रयोग कर BD की लम्बाई निकालें:

Options :

1. ✖ 8 cm

2. ✔ 10 cm

3. ✖ 12 cm

4. ✖ 14 cm

Question Number : 157 Question Id : 16794313670 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

There are two circles of centers A and B, of radii 3cm and 5cm respectively. The distance between their centers $AB = 10cm$. A direct common tangent is drawn that meets the line BA produced at C, then the length of CA is equals to:

Options :

1. ✖ 20 cm

2. ✖ 17 cm

3. ✔ 15 cm

4. ✖ 14 cm

Question Number : 157 Question Id : 16794313670 Question 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 और B केंद्र वाले दो वृत्त हैं, जिनके अर्धव्यास क्रमशः 3 cm और 5 cm हैं। उनके केंद्रों के बीच की दूरी AB = 10 cm. एक प्रत्यक्ष सांझी स्पर्शरेखा ऐसे खींची जाती है कि वह विस्तारित रेखा BA को C पर छूती है। CA की लम्बाई है:

Options :

1. ✖ 20 cm

2. ✖ 17 cm

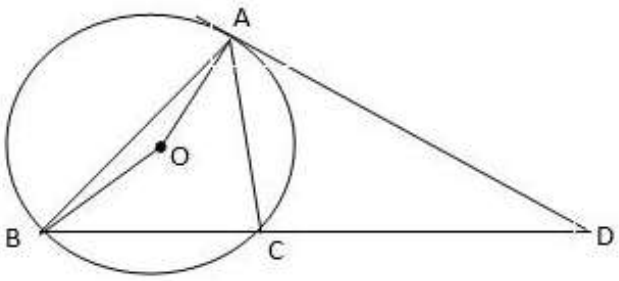
3. ✔ 15 cm

4. ✖ 14 cm

Question Number : 158 Question Id : 16794313671 Question 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 O is the centre of the circle and AD is the tangent to the circle at A. If $\angle CAD = 55^{\circ} and\ \angle ADC = 25^{\circ} then\ find\ \angle ABO$



Options :

1. ✔ 10°

2. ✖ 15°

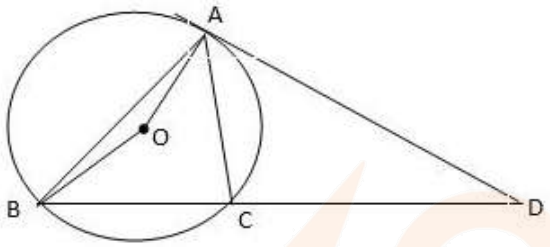
3. ✖ 20°

4. ✖ 25°

Question Number : 158 Question Id : 16794313671 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

प्रदत्त रेखाचित्र में O वृत्त का केंद्र है और AD नामक स्पर्शरेखा इसे A पर छूती है। यदि ∠CAD = 55° और ∠ADC = 25°, तो ∠ABO होगा:



Options :

1. ✔ 10°

2. ✖ 15°

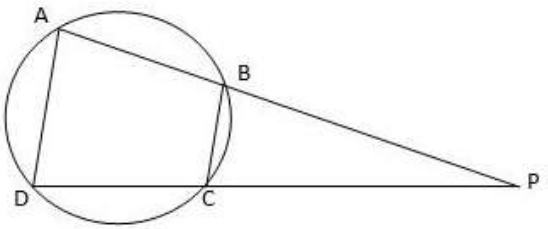
3. ✖ 20°

4. ✖ 25°

Question Number : 159 Question Id : 16794313672 Question 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 following figure (not to scale), $AB = CD$ and $\overline{AB}$ and $\overline{CD}$ are produced to meet at point P. If $\angle BAC = 70°$, then find $\angle P$



Options :

1. ✖ 30°

2. ✔ 40°

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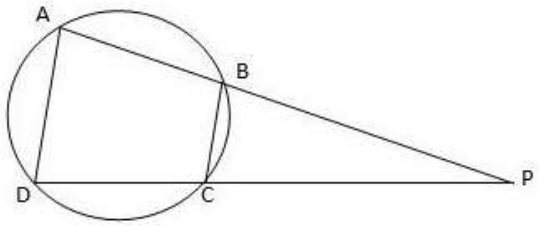
3. ✖ 45°

4. ✖ 50°

Question Number : 159 Question Id : 16794313672 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

प्रदत्त चित्र में (पैमाने के अनुसार नहीं), $AB = CD$ और $\overline{AB}$ एवं $\overline{CD}$ को विस्तारित कर बिंदु P पर मिलाया जाता है।



यदि $\angle BAC = 70°$, 70 तो $\angle P$ होगा

Options :

1. ✖ 30°

2. ✔ 40°

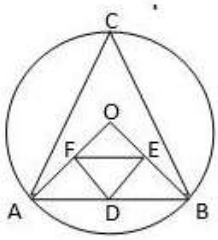
3. ✖ 45°

4. ✖ 50°

Question Number : 160 Question Id : 16794313673 Question 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 following figure, O is the centre of the circle and D, E and F are the mid points of AB, BO and OA respectively. If $\angle DEF = 30°$, then find $\angle ACB$.



Options :

1. ✖ 30°

2. ✔ 60°

3. ✖ 90°

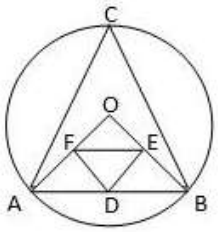
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4. ✖ 120°

Question Number : 160 Question Id : 16794313673 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्न चित्र में O वृत्त का केंद्र है और D, E एवं F क्रमशः AB, BO और OA के मध्यबिंदु हैं। यदि ∠DEF = 30°, तो ∠ACB होगा:



Options :

1. ✖ 30°

2. ✔ 60°

3. ✖ 90°

4. ✖ 120°

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Subject Related

Group Number :	9
Group Id :	167943452
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 :	167943517
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

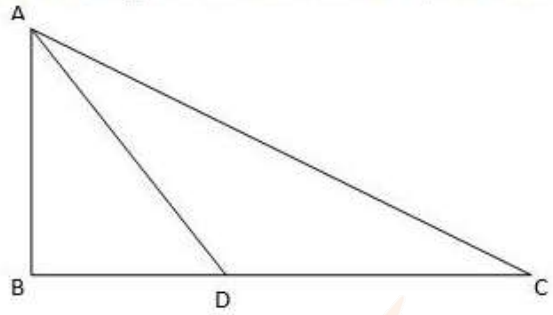
Group All Questions: No

Sub-Section Number: 1
Sub-Section Id: 167943859
Question Shuffling Allowed : Yes

Question Number : 161 Question Id : 16794313674 Question 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 triangle ABC $\angle ABC = 90^\circ$, AB : BD : DC = 3 : 1 : 3. If AC= 20cm, then what is the length of AD (in cm)?



Options :

1. ✖ $5\sqrt{2}$

2. ✖ $6\sqrt{3}$

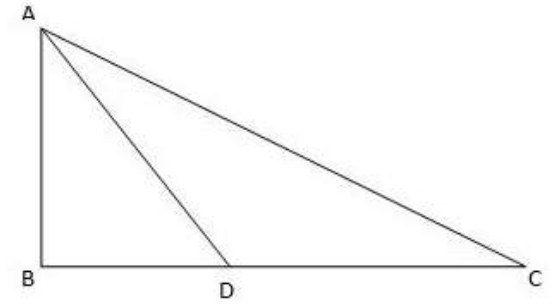
3. ✖ $4\sqrt{5}$

4. ✔ $4\sqrt{10}$

Question Number : 161 Question Id : 16794313674 Question 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 त्रिकोण ABC में $\angle ABC = 90°$, AB : BD : DC = 3 : 1 : 3. यदि AC = 20 cm हो तो AD की लंबाई (cm) होगी:



Options :

1. ✖ $5\sqrt{2}$

2. ✖ $6\sqrt{3}$

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3. ✖ $4\sqrt{5}$

4. ✔ $4\sqrt{10}$

Question Number : 162 Question Id : 16794313675 Question 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 vertices of a triangle ABC are (2,3), (4,7), (-5,2). The length of the altitude through A is:

Options :

1. ✖ $\frac{13}{53}\sqrt{53}$

2. ✔ $\frac{13}{53}\sqrt{106}$

3. ✖ $\frac{9}{53}\sqrt{53}$

4. ✖ $\frac{9}{53}\sqrt{106}$

Question Number : 162 Question Id : 16794313675 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

त्रिकोण ABC के शीर्ष (2, 3), (4, 7), (-5, 2) हैं; A में से निकलने वाले शीर्ष लम्ब की ऊँचाई होगी:

Options :

1. ✖ $\frac{13}{53}\sqrt{53}$

2. ✔ $\frac{13}{53}\sqrt{106}$

3. ✖ $\frac{9}{53}\sqrt{53}$

4. ✖ $\frac{9}{53}\sqrt{106}$

Question Number : 163 Question Id : 16794313676 Question 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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The locus of the point that is equidistant from two points (2,3) and (-4,1) is:

Options :

1. ✖ $x + 3y = 1$

2. ✖ $2x + 3y = 2$

3. ✔ $3x + y = -1$

4. ✖ $3x - y = 1$

Question Number : 163 Question Id : 16794313676 Question 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 बिंदुओं (2, 3) और (-4, 1) से समदूरस्थ वाले बिंदु का बिन्दुपथ होगा:

Options :

1. ✖ $x + 3y = 1$

2. ✖ $2x + 3y = 2$

3. ✔ $3x + y = -1$

4. ✖ $3x - y = 1$

Question Number : 164 Question Id : 16794313677 Question 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 (3,2), (6,3), (x,y) and (6,5) are the vertices of a parallelogram, the (x,y) is:

Options :

1. ✖ (8,7)

2. ✖ (5,6)

3. ✔ (9,6)

4. ✖ (9,8)

Question Number : 164 Question Id : 16794313677 Question 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 (3, 2), (6, 3), (x, y) और (6, 5) एक समानांतर चतुर्भुज के शीर्ष हैं तो (x, y) होगा:

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Options :

1. ✖ (8, 7)

2. ✖ (5, 6)

3. ✔ (9, 6)

4. ✖ (9, 8)

Question Number : 165 Question Id : 16794313678 Question 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 coordinates of the point which is equidistant from the vertices (8, -10), (7, -3) and (0,-4) of a right angled triangle is:

Options :

1. ✔ (4,-7)

2. ✖ (7,-6)

3. ✖ $\left(\frac{7}{3}, -\frac{7}{3}\right)$

4. ✖ $\left(\frac{15}{2}, -\frac{15}{2}\right)$

Question Number : 165 Question Id : 16794313678 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

वह बिंदु जो समकोण त्रिभुज के शीर्ष (8, -10), (7, -3) और (0, -4) से समदूरस्थ है:

Options :

1. ✔ (4, -7)

2. ✖ (7, -6)

3. ✖ $\left(\frac{7}{3}, -\frac{7}{3}\right)$

4. ✖ $\left(\frac{15}{2}, -\frac{15}{2}\right)$

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Question Number : 166 Question Id : 16794313679 Question 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 in which the line joining the points (1,-1) and (4,5) is divided by the point (2,1) is:

Options :

1. ✖ 2 : 1

2. ✖ 1 : 3

3. ✖ 3 : 1

4. ✔ 1 : 2

Question Number : 166 Question Id : 16794313679 Question 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 अनुपात में बिंदु (2, 1) उस रेखा को विभाजित करता है जो बिंदु (1, -1) और (4, 5) को जोड़ती है?

Options :

1. ✖ 2 : 1

2. ✖ 1 : 3

3. ✖ 3 : 1

4. ✔ 1 : 2

Question Number : 167 Question Id : 16794313680 Question 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 coordinates of A, B and C are (6,3), (-3,5) and (4,-2) respectively. The area of ΔABC is:

Options :

1. ✖ 51/2 square units

2. ✖ 45/2 square units

3. ✖ 47/2 square units

4. ✔ 49/2 square units

Question Number : 167 Question Id : 16794313680 Question 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, B और C के निर्देशांक क्रमशः (6, 3), (-3, 5) और (4, -2) हैं। ΔABC का क्षेत्रफल है:

Options :

1. ✖ 51/2 वर्ग इकाई

2. ✖ 45/2 वर्ग इकाई

3. ✖ 47/2 वर्ग इकाई

4. ✔ 49/2 वर्ग इकाई

Question Number : 168 Question Id : 16794313681 Question 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 park in the shape of a quadrilateral ABCD has $\angle C = 90^{\circ}$, AB = 9 m, BC = 12 m, CD = 5 m and AD = 8 m. The area it occupies is:

Options :

1. ✖ $(30 + 5\sqrt{35})$ m^2

2. ✔ $(30 + 6\sqrt{35})$ m^2

3. ✖ $(30 + 7\sqrt{35})$ m^2

4. ✖ $(30 + 4\sqrt{35})$ m^2

Question Number : 168 Question Id : 16794313681 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

असमान चतुर्भुज के आकार में बने एक पार्क ABCD का ∠C = 90°, AB = 9 m, BC = 12 m, CD = 5 m और AD = 8 m है।

इसका क्षेत्रफल होगा:

Options :

1. ✖ $(30 + 5\sqrt{35})$ m^2

2. ✔ $(30 + 6\sqrt{35})$ m^2

3. ✖ $(30 + 7\sqrt{35})$ m^2

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4. ✖ $(30 + 4\sqrt{35})\ m^2$

Question Number : 169 Question Id : 16794313682 Question 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 chord of a circle of radius 28 cm subtends an angle 90° at the centre of the circle. The area of the minor segment is:

Options :

1. ✖ $290\ cm^2$

2. ✖ $184\ cm^2$

3. ✖ $248\ cm^2$

4. ✔ $224\ cm^2$

Question Number : 169 Question Id : 16794313682 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

28 cm अर्धव्यास वाले वृत्त की ज्या/जीवा वृत्त के केंद्र पर 90° का कोण बनाती है। इस लघु खंड का क्षेत्रफल होगा:

Options :

1. ✖ $290\ cm^2$

2. ✖ $184\ cm^2$

3. ✖ $248\ cm^2$

4. ✔ $224\ cm^2$

Question Number : 170 Question Id : 16794313683 Question 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 rectangular block 6cm × 12cm × 15cm is cut into exact number of equal cubes. The least possible number of cubes will be:

Options :

1. ✔ 6

2. ✖ 11

3. ✖ 33

4. ✖ 40

Question Number : 170 Question Id : 16794313683 Question 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 cm × 12 cm × 15 cm के एक चौकोर ब्लॉक को समान आकार के घन में काटा जाता है। घनों की न्यूनतम संभावित संख्या होगी:

Options :

1. ✔ 6

2. ✖ 11

3. ✖ 33

4. ✖ 40

Question Number : 171 Question Id : 16794313684 Question 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 cylinder has a diameter of 14 cm and its area of curved surface is 220 cm^2

The volume of the cylinder is:

Options :

1. ✔ 770 cm^3

2. ✖ 1000 cm^3

3. ✖ 1540 cm^3

4. ✖ 3080 cm^3

Question Number : 171 Question Id : 16794313684 Question 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 सिलिंडर का व्यास 14 cm और इसके वक्र सतह का क्षेत्रफल 220 वर्ग cm है। इस सिलिंडर का आयतन होगा:

Options :

1. ✔ 770 cm^3

2. ✖ 1000 cm^3

3. ✖ 1540 cm^3

4. ✖ 3080 cm^3

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Question Number : 172 Question Id : 16794313685 Question 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 radii on the ends of bucket 16 cm height are 20 cm and 8 cm. Find the outer curved surface area of the bucket

Options :

1. ✔ $1760\ cm^2$

2. ✖ $2240\ cm^2$

3. ✖ $880\ cm^2$

4. ✖ $3120\ cm^2$

Question Number : 172 Question Id : 16794313685 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

16 cm लंबी एक बाल्टी के कोनों के अर्धव्यास 20 cm और 8 cm हैं। बाल्टी की बाहरी वक्र सतह का क्षेत्रफल ज्ञात करें।

Options :

1. ✔ $1760\ cm^2$

2. ✖ $2240\ cm^2$

3. ✖ $880\ cm^2$

4. ✖ $3120\ cm^2$

Question Number : 173 Question Id : 16794313686 Question 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 volume of a hemisphere is $18\pi\ cm^2$. The total area of hemisphere is:

Options :

1. ✖ $18\pi\ cm^2$

2. ✔ $27\pi\ cm^2$

3. ✖ $21\pi\ cm^2$

4. ✖ $24\pi\ cm^2$

Question Number : 173 Question Id : 16794313686 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 अर्धगोले का आयतन 18π घन cm है। इसका कुल क्षेत्रफल है:

Options :

1. ✖ $18\pi\ cm^2$

2. ✔ $27\pi\ cm^2$

3. ✖ $21\pi\ cm^2$

4. ✖ $24\pi\ cm^2$

Question Number : 174 Question Id : 16794313687 Question 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 $\sqrt{3}\ \text{cosec}\,20 - \sec 20^\circ$ is:

Options :

1. ✖ 1

2. ✖ -1

3. ✖ 0

4. ✔ 4

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Question Number : 174 Question Id : 16794313687 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$\sqrt{3}\,\text{cosec}\,20 - \sec 20^\circ$ का मान होगा :

Options :

1. ✖ 1

2. ✖ -1

3. ✖ 0

4. ✔ 4

Question Number : 175 Question Id : 16794313688 Question 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 expression $\cos 60^\circ \cos 36^\circ \cos 42^\circ \cos 78^\circ$ is:

Options :

1. ✖ $\frac{1}{8}$

2. ✖ $\frac{1}{4}$

3. ✔ $\frac{1}{16}$

4. ✖ $\frac{\sqrt{3}}{8}$

Question Number : 175 Question Id : 16794313688 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Cos 60° cos 36° cos 42° cos 78° का मान होगा:

Options :

1. ✖ $\frac{1}{8}$

2. ✖ $\frac{1}{4}$

3. ✔ $\frac{1}{16}$

4. ✖ $\frac{\sqrt{3}}{8}$

Question Number : 176 Question Id : 16794313689 Question 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 elevation of the top of the tree at point E due east of the tree $60^{\circ}$and a point S due west of the tree is 30°, then elevation at the midpoint of ES is:

Options :

1. ✖ 30°

2. ✖ 45°

3. ✔ 60°

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4. ✖ 90°

Question Number : 176 Question Id : 16794313689 Question 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 वृक्ष के शिखर पर बिंदु E का पूर्व में उठान 60° है और इसी वृक्ष के पश्चिम में बिंदु का उठान 30° है तो ES के मध्यबिंदु का उठान होगा:

Options :

1. ✖ 30°

2. ✖ 45°

3. ✔ 60°

4. ✖ 90°

Question Number : 177 Question Id : 16794313690 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$\frac{\cos A}{1-\tan A}+\frac{\sin A}{1-\cot A}$ is equals to:

Options :

1. ✖ $\sin A-\cos A$

2. ✖ $\sin A\cos A$

3. ✖ $\cot A-\tan A$

4. ✔ $\sin A+\cos A$

Question Number : 177 Question Id : 16794313690 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$\frac{\cos A}{1-\tan A}+\frac{\sin A}{1-\cot A}$ का मान होगा:

Options :

1. ✖ $\sin A-\cos A$

2. ✖ $\sin A\cos A$

3. ✖ $\cot A-\tan A$

4. ✔ $\sin A + \cos A$

Question Number : 178 Question Id : 16794313691 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$(\sin\alpha + \operatorname{cosec}\alpha)^2 + (\cos\alpha + \sec\alpha)$ is equals to:

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

Options :

1. $sin^2\alpha + cos^2\alpha + 5$

2. $tan^2\alpha + cos^2\alpha + 7$

3. $tan^2\alpha + cot^2\alpha + 7$

4. $tan^2\alpha + cot^2\alpha + 5$

Question Number : 178 Question Id : 16794313691 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$(\sin\alpha + \operatorname{cosec}\alpha)^2 + (\cos\alpha + \sec\alpha)$ का मान होगा:

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

Options :

1. $sin^2\alpha + cos^2\alpha + 5$

2. $tan^2\alpha + cos^2\alpha + 7$

3. $tan^2\alpha + cot^2\alpha + 7$

4. $tan^2\alpha + cot^2\alpha + 5$

Question Number : 179 Question Id : 16794313692 Question 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 $X \sim N(\mu, \sigma^2)$. If $\mu^2 = \sigma^2$, $(\mu > 0)$, then the value of $P(X < -\mu \mid X < \mu)$ in terms of cumulative function N(0, 1) is:

Options :

1. ✖ $2[1 - P(Z \leq 1)]$

2. ✔ $2[1 - P(Z \leq 2)]$

3. ✖ $[1-P(Z \leq 1)]$

4. ✖ $[1-P(Z \leq 2)]$

Question Number : 179 Question Id : 16794313692 Question 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 लीजिये $X \sim N(\mu, \sigma^2)$. यदि $\mu^2 = \sigma^2$, $(\mu > 0)$, तो संचयी फलन N(0, 1) के संदर्भ में $P(X < -\mu \mid X < \mu)$ का मान होगा:

Options :

1. ✖ $2[1-P(Z \leq 1)]$

2. ✔ $2[1-P(Z \leq 2)]$

3. ✖ $[1-P(Z \leq 1)]$

4. ✖ $[1-P(Z \leq 2)]$

Question Number : 180 Question Id : 16794313693 Question 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 mean and variance of binomial distribution $B(x: n, p)$ are 4 and $\frac{4}{3}$ respectively. What is the probability of getting 2 successes?

Options :

1. ✖ $\frac{20}{342}$

2. ✖ $\frac{20}{423}$

3. ✔ $\frac{20}{243}$

4. ✖ $\frac{1}{243}$

Question Number : 180 Question Id : 16794313693 Question 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 द्विपद वितरण B(x:n,p) का माध्य और प्रसरण क्रमश: 4 और $\frac{4}{3}$ हैं। 2 सफलताएं मिलने की संभाव्यता पता करें.

Options :

1. ✖ $\frac{20}{342}$

2. ✖ $\frac{20}{423}$

3. ✔ $\frac{20}{243}$

4. ✖ $\frac{1}{243}$

Subject Related

Group Number :	10
Group Id :	167943453
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 :	167943518
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:	167943860
Question Shuffling Allowed :	Yes

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Question Number : 181 Question Id : 16794313694 Question 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 values of c and P(X>1) for which the function

$$f(x)=\begin{cases}\frac{c}{\sqrt{x}}, & 0<x<4\\ 0, & otherwise\end{cases}$$

Is a p.d.f are?

Options :

1. ✖ 1/4, 0

2. ✖ −1/4, 1/2

3. ✔ 1/4, 1/2

4. ✖ 1/2 , 1

Question Number : 181 Question Id : 16794313694 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

c एवं P(X > 1) के मान जिसके लिये फलन

$$f(x)=\begin{cases}\frac{c}{\sqrt{x}}, & 0<x<4\\ 0, \text{ है, अन्यथा}\end{cases}$$

p.d.f क्या है?

Options :

1. ✖ $\frac{1}{4}, 0$

2. ✖ $\frac{-1}{4}, \frac{1}{2}$

3. ✔ $\frac{1}{4}, \frac{1}{2}$

4. ✖ $\frac{1}{2}, 1$

Question Number : 182 Question Id : 16794313695 Question 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, Y and Z are three uncorrelated variables having variances σ_x^2, σ_y^2 and σ_z^2 respectively, then the correlation coefficient between X+Y and Y+Z is:

Options :

1. ✖ 0

2. ✖ 1/2

3. ✖ 1

4. ✔ none of these

Question Number : 182 Question Id : 16794313695 Question 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, Y और Z तीन असहसंबद्ध चर हैं जिनके प्रसरण क्रमश σ_x^2, σ_y^2 और σ_z^2 हैं। X + Y और Y + Z के बीच का सहसंबद्धता गुणांक होगा :

Options :

1. ✖ 0

2. ✖ $\frac{1}{2}$

3. ✖ 1

4. ✔ इनमें से कोई नहीं

Question Number : 183 Question Id : 16794313696 Question 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 regression coefficients are b_2 and b_1. Then the correlation coefficient r is:

Options :

1. ✖ $\frac{b_1}{b_2}$

2. ✖ $\frac{b_2}{b_1}$

3. ✖ $b_1 b_2$

4. ✔ $\pm\sqrt{(b_1 b_2)}$

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Question Number : 183 Question Id : 16794313696 Question 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 प्रतिगमन गुणांक b_2 और b_1 हैं तो सहसंबद्धता गुणांक r होगा:

Options :

1. ✖ $\frac{b_1}{b_2}$

2. ✖ $\frac{b_2}{b_1}$

3. ✖ $b_1 b_2$

4. ✔ $\pm\sqrt{b_1 b_2}$

Question Number : 184 Question Id : 16794313697 Question 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 $P(A \cap B) = \frac{1}{2}, P(\bar{A} \cap \bar{B}) = \frac{1}{2}$ and $2P(A) = P(B) = p,$ then the value of p is given by:

Options :

1. ✖ 1/4

2. ✖ 1/2

3. ✖ 1/3

4. ✔ 2/3

Question Number : 184 Question Id : 16794313697 Question 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 $P(A \cap B) = \frac{1}{2}, P(\bar{A} \cap \bar{B}) = \frac{1}{2}$ और $2P(A) = P(B) = p,$ तो p का मान होगा:

Options :

1. ✖ $\frac{1}{4}$

2. ✖ $\frac{1}{2}$

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3. ✖ $\frac{1}{3}$

4. ✔ $\frac{2}{3}$

Question Number : 185 Question Id : 16794313698 Question 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 Mathematics test 15 students scored 80 marks, 20 students scored 75 marks, 28 students scored 65 marks and 25 students scored 60 marks, mode of the score is:

Options :

1. ✖ 80

2. ✖ 75

3. ✔ 65

4. ✖ 60

Question Number : 185 Question Id : 16794313698 Question 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 गणित परीक्षा में 15 विद्यार्थियों के 80 अंक आये, 20 को 75 अंक मिले, 28 को 65 अंक मिले और 25 को 60 अंक मिले। इन अंकों का बहुलक होगा:

Options :

1. ✖ 80

2. ✖ 75

3. ✔ 65

4. ✖ 60

Question Number : 186 Question Id : 16794313699 Question 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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Consider the following distribution:

Marks obtained	No. of students
More than or equal to zero	63
More than or equal to 10	58
More than or equal to 20	55
More than or equal to 30	51
More than or equal to 40	48
More than or equal to 50	42

The frequency of the class 30-40 is:

Options :

1. ✔ 3

2. ✖ 4

3. ✖ 48

4. ✖ 51

Question Number : 186 Question Id : 16794313699 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्न वितरण का अध्ययन करें।

प्राप्तांक	विद्यार्थियों की संख्या
0 से अधिक या उसके बराबर	63
10 से अधिक या उसके बराबर	58
20 से अधिक या उसके बराबर	55
30 से अधिक या उसके बराबर	51
40 से अधिक या उसके बराबर	48
50 से अधिक या उसके बराबर	42

श्रेणी 30-40 की आवृत्ति है:

Options :

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1. ✔ 3

2. ✖ 4

3. ✖ 48

4. ✖ 51

Question Number : 187 Question Id : 16794313700 Question 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 the following distribution:

Class	0-5	5-10	10-15	15-20	20-25
Frequency	10	15	12	20	9

The sum of lower limits of the median class and modal class is:

Options :

1. ✖ 15

2. ✔ 25

3. ✖ 30

4. ✖ 35

Question Number : 187 Question Id : 16794313700 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्न वितरण का अध्ययन करें

श्रेणी	0-5	5-10	10-15	15-20	20-25
आवृत्ति	10	15	12	20	9

मध्यक और बहुलक श्रेणी की निचली सीमाओं का योग होगा:

Options :

1. ✖ 15

2. ✔ 25

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3. ✖ 30

4. ✖ 35

Question Number : 188 Question Id : 16794313701 Question 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 measure of the central tendency is given by the X-coordinate of the point of intersection of the more than ogive and less than ogive is:

Options :

1. ✖ Mean

2. ✔ Median

3. ✖ Mode

4. ✖ All the above

Question Number : 188 Question Id : 16794313701 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

केंद्रीय प्रवृत्ति मापने का वह तरीका जो ogive से अधिक और ogive से कम के आपस में काटने वाले बिंदु के X-निर्देशांक द्वारा दिया जाता है:

Options :

1. ✖ मध्य

2. ✔ मध्यक

3. ✖ बहुलक

4. ✖ उपरोक्त सभी

Question Number : 189 Question Id : 16794313702 Question 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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From the following results of two colleges A and B, find out which of the two is better?

	College A		College B	
Exam	Appeared	Passed	Appeared	Passed
M. A.	100	90	240	200
M. Sc.	60	45	200	160
B. A.	120	75	160	100
B. Sc.	200	150	200	140
Total	480	360	800	600

Options :

1. ✖ college A

2. ✖ college B

3. ✔ both are same

4. ✖ data is not sufficient

Question Number : 189 Question Id : 16794313702 Question 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 परिणामों से पता करें कि कॉलेजों A और B में से कौन सा बेहतर है।

	कॉलेज A		कॉलेज B	
परीक्षा	बैठे	पास हुए	बैठे	पास हुए
M. A.	100	90	240	200
M. Sc.	60	45	200	160
B. A.	120	75	160	100
B. Sc.	200	150	200	140
कुल	480	360	800	600

Options :

1. ✖ कॉलेज A

2. ✖ कॉलेज B

3. ✔ दोनों एक समान हैं

4. ✖ आंकड़े अपर्याप्त हैं

Question Number : 190 Question Id : 16794313703 Question 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 mean of n observations $1^2, 2^2, 3^2$_____ n^2 is $\frac{46n}{11}$, then n is equal to:

Options :

1. ✔ 11

2. ✖ 12

3. ✖ 23

4. ✖ 22

Question Number : 190 Question Id : 16794313703 Question 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 n प्रेक्षण $1^2, 2^2, 3^2 \ldots\ldots n^2$ का माध्य $\frac{46n}{11}$ है तो n =

Options :

1. ✔ 11

2. ✖ 12

3. ✖ 23

4. ✖ 22

Sub-Section Number: 2

Sub-Section Id: 167943861

Question Shuffling Allowed : Yes

Question Number : 191 Question Id : 16794313704 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

According to Bronfenbrnner's theory of development, the govt policies and cultural changes comprise which layer of the individual's ecosystem?

Options :

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1. ✖ Microsystem

2. ✔ Exosystem

3. ✖ Mesosystem

4. ✖ Chronosystem

Question Number : 191 Question Id : 16794313704 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

ब्रोंफेनब्रनेर के विकास के सिद्धांत के अनुसार, सरकारी नीतियों और सांस्कृतिक परिवर्तनों में व्यक्ति के पारिस्थितिक तंत्र की कौन सी परत शामिल है?

Options :

1. ✖ माइक्रोसिस्टम

2. ✔ एक्सोसिस्टम

3. ✖ मेसोसिस्टम

4. ✖ क्रोनोसिस्टम

Question Number : 192 Question Id : 16794313705 Question 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 does not contribute to the success of non-formal education?

Options :

1. ✖ Interest level and motivation of students

2. ✖ Quality of educational material to uphold student motivation and meet expectations

3. ✔ Student ability levels

4. ✖ Institutional support to students

Question Number : 192 Question Id : 16794313705 Question 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 गैर-औपचारिक शिक्षा की सफलता में योगदान नहीं देता है?

Options :

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1. ✖ ब्याज स्तर और छात्रों की प्रेरणा

2. ✖ छात्र प्रेरणा को बनाए रखने और अपेक्षाओं को पूरा करने के लिए शैक्षणिक सामग्री की गुणवत्ता

3. ✔ छात्र क्षमता स्तर

4. ✖ छात्रों को संस्थागत समर्थन

Question Number : 193 Question Id : 16794313706 Question 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 technical term used when our attentions shifts spontaneously from one task to another, for instance listening to a conversation in the middle of reading a book?

Options :

1. ✔ Non-volitional attention

2. ✖ Focused attention

3. ✖ Divided attention

4. ✖ Distributed attention

Question Number : 193 Question Id : 16794313706 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

तकनीकी शब्द क्या होता है, जब हमारे ध्यान एक कार्य से दूसरे कार्य में स्वचालित रूप से स्थानांतरित होते हैं, उदाहरण के लिए पुस्तक पढ़ने के बीच में बातचीत सुनना?

Options :

1. ✔ गैर-विद्युतीय ध्यान

2. ✖ केंद्रित ध्यान

3. ✖ विभाजित ध्यान

4. ✖ वितरित ध्यान

Question Number : 194 Question Id : 16794313707 Question 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 appropriate option to complete the statement.

Physical science is a branch of science and the study of:

Options :

1. ✖ Physics

2. ✔ Non-living systems

3. ✖ Engines

4. ✖ Physical substances

Question Number : 194 Question Id : 16794313707 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

कथन पूरा करने के लिए उपयुक्त विकल्प चुनें।

शारीरिक विज्ञान, विज्ञान की एक शाखा है और इसका अध्ययन है:

Options :

1. ✖ भौतिक विज्ञान

2. ✔ गैर-जीवित प्रणाली

3. ✖ इंजन

4. ✖ भौतिक पदार्थ

Question Number : 195 Question Id : 16794313708 Question 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 appropriate answer from the following.

Avoiding birth of girl child by pre-natal sex determination is medically termed as:

Options :

1. ✖ Female infanticide

2. ✖ Female homicide

3. ✖ Female pesticide

4. ✔ Female foeticide

Question Number : 195 Question Id : 16794313708 Question 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 उचित उत्तर चुनें।

प्री-नेटल सेक्स निर्धारण द्वारा लड़की के जन्म से बचने के लिए चिकित्सकीय रूप से शब्द दिया जाता है:

Options :

1. ✖ कन्या भ्रूण हत्या

2. ✖ महिला हत्यारा

3. ✖ महिला कीटनाशक

4. ✔ कन्या भ्रूण हत्या

Question Number : 196 Question Id : 16794313709 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Relating content to the learners' context and is included in which?

Options :

1. ✖ General pedagogical knowledge

2. ✔ Curriculum knowledge

3. ✖ Knowledge of learners' background

4. ✖ Knowledge of curricular context

Question Number : 196 Question Id : 16794313709 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

शिक्षार्थियों के संदर्भ में सामग्री से संबंधित और इसमें शामिल है:

Options :

1. ✖ सामान्य शैक्षिक ज्ञान

2. ✔ पाठ्यचर्या ज्ञान

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3. ✖ शिक्षार्थियों की पृष्ठभूमि का ज्ञान

4. ✖ पाठ्यचर्या संदर्भ का ज्ञान

Question Number : 197 Question Id : 16794313710 Question 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 of the given subjects each sentence is written in a compact style with lot of information and minimal redundancy?

Options :

1. ✖ Social sciences

2. ✖ English

3. ✔ Mathematics

4. ✖ Biology

Question Number : 197 Question Id : 16794313710 Question 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 विषयों में से किसमें प्रत्येक वाक्य को कॉम्पैक्ट शैली में बहुत सारी जानकारी और न्यूनतम अनावश्यकता के साथ लिखा जाता है?

Options :

1. ✖ सामाजिक विज्ञान

2. ✖ अंग्रेज़ी

3. ✔ अंक शास्त्र

4. ✖ जीवविज्ञान

Question Number : 198 Question Id : 16794313711 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Messages for conservation of environment can be best conveyed to more number of people through which form of art from the following options?

Options :

1. ✖ Musical concerts

2. ✔ Street plays

3. ✖ Painting

4. ✖ Pottery

Question Number : 198 Question Id : 16794313711 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

पर्यावरण के संरक्षण के लिए संदेश सबसे अधिक लोगों को दिया जा सकता है, निम्नलिखित विकल्पों में से किसके माध्यम से कला का रूप है?

Options :

1. ✖ संगीत कार्यक्रम

2. ✔ स्ट्रीट नाटकों

3. ✖ चित्र

4. ✖ मिट्टी के बर्तनों

Question Number : 199 Question Id : 16794313712 Question 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 type of knowledge is it when acquired through data and inferences?

Options :

1. ✔ Logical knowledge

2. ✖ Sensory knowledge

3. ✖ Intuitive knowledge

4. ✖ Experiential knowledge

Question Number : 199 Question Id : 16794313712 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

डेटा और सम्मेलनों के माध्यम से हासिल होने पर ज्ञान का प्रकार क्या है?

Options :

1. ✔ तार्किक ज्ञान

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2. ✖ संवेदी ज्ञान

3. ✖ अंतर्बोध ज्ञान

4. ✖ अनुभवी ज्ञान

Question Number : 200 Question Id : 16794313713 Question 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.

Sensitizing peers is one of the methods to reduce _____ in an inclusive school.

Options :

1. ✖ Curriculum modifications

2. ✖ Chaotic environment

3. ✔ Bullying

4. ✖ Gender issues

Question Number : 200 Question Id : 16794313713 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सबसे उपयुक्त विकल्प चुनें।

संवेदीकरण सहकर्मी एक समावेशी स्कूल में _____ को कम करने के तरीकों में से एक है।

Options :

1. ✖ पाठ्यचर्या संशोधन

2. ✖ अराजक पर्यावरण

3. ✔ धमकाना

4. ✖ लैंगिक मुद्दों

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