Quick Sarkari

DSSSB PREVIOUS YEAR PAPER WITH ANSWER KEY

DSSSB TGT Mathematics (Female)

18 November 2018 · Shift 1

डीएसएसएसबी टीजीटी गणित – 18 नवंबर 2018, शिफ्ट 1 का प्रश्न पत्र, उत्तर कुंजी सहित

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

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

INSIDE THIS PDF / इस PDF में

Official Question Paper with Answer Key (English + Hindi) — Page 2–158
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

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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 18th Nov 2018 Shift1
Subject Name:	TGT MATHS FEMALE
Creation Date:	2018-11-18 18:34:16
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 :	16265391
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 :	16265391
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: 162653119
Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 1626531828 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

Bat is related to cricket in the same way the stick is related to _____.

Options :

1. ✖ badminton

2. ✔ hockey

3. ✖ foot ball

4. ✖ rugby

Question Number : 1 Question Id : 1626531828 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

बैट, क्रिकेट से उसी प्रकार से संबंधित है जैसे स्टिक का निम्नलिखित से है?

Options :

1. ✖ बैडमिंटन

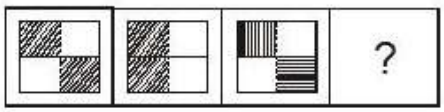
2. ✔ हॉकी

3. ✖ फुटबॉल

4. ✖ रग्बी

Question Number : 2 Question Id : 1626531829 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.25

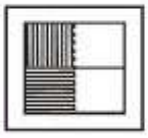
Select the option that is related to the third figure in the same way as the second figure is related to the first figure.



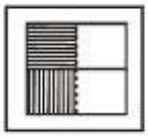
Options :

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1. ✖ 

2. ✔ 

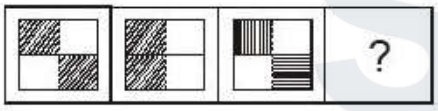
3. ✖ 

4. ✖ 

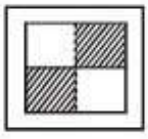
Question Number : 2 Question Id : 1626531829 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

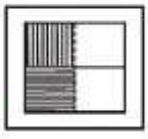
Correct Marks : 1 Wrong Marks : 0.25

उस विकल्प का चयन करें जो तीसरी आकृति से उसी प्रकार संबंधित है, जैसा कि दूसरी आकृति, पहली आकृति से संबंधित है।



Options :

1. ✖ 

2. ✔ 

3. ✖ 

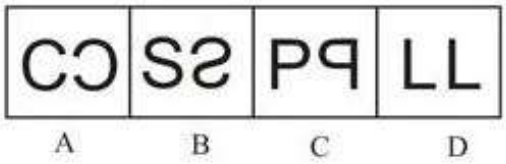
4. ✖ 

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Question Number : 3 Question Id : 1626531830 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Choose the odd figure in the series.



Options :

1. ✖ A

2. ✖ B

3. ✖ C

4. ✔ D

Question Number : 3 Question Id : 1626531830 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

श्रृंखला में विषम चित्र चुनें।



Options :

1. ✖ A

2. ✖ B

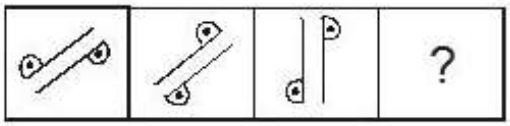
3. ✖ C

4. ✔ D

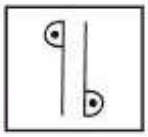
Question Number : 4 Question Id : 1626531831 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

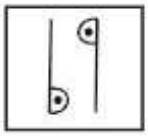
Correct Marks : 1 Wrong Marks : 0.25

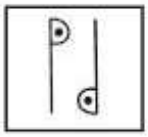
Find the next number in the series.



Options :

1. ✔ 

2. ✖ 

3. ✖ 

4. ✖ 

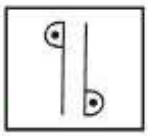
Question Number : 4 Question Id : 1626531831 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

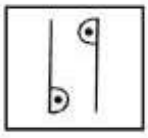
Correct Marks : 1 Wrong Marks : 0.25

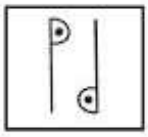
श्रृंखला में अगला नंबर खोजें।



Options :

1. ✔ 

2. ✖ 

3. ✖ 

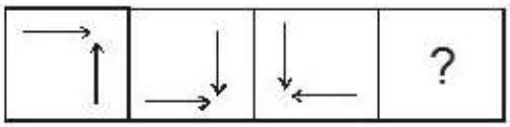
4. ✖ 

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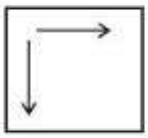
Question Number : 5 Question Id : 1626531832 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

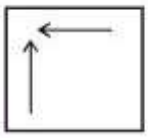
Correct Marks : 1 Wrong Marks : 0.25

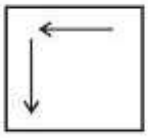
Find the next figure in the series.

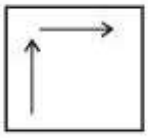


Options :

1. ✖ 

2. ✔ 

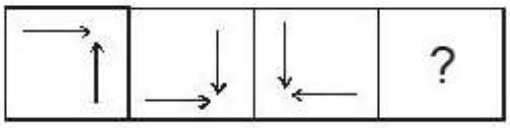
3. ✖ 

4. ✖ 

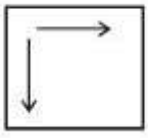
Question Number : 5 Question Id : 1626531832 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

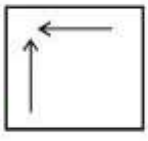
Correct Marks : 1 Wrong Marks : 0.25

श्रृंखला में अगला चित्र बताएँ।

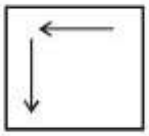


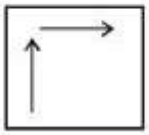
Options :

1. ✖ 

2. ✔ 

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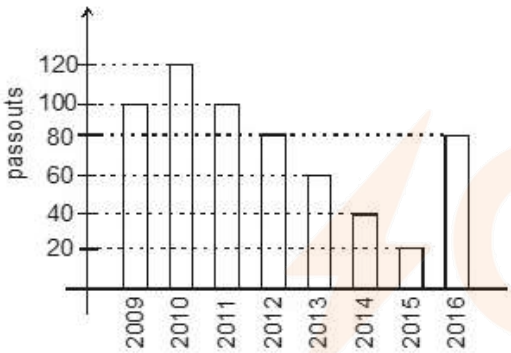
3. ✖ 

4. ✖ 

Question Number : 6 Question Id : 1626531833 Question 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.



How many students have passed NTSE from 'XYZ' during 2014 -16?

Options :

1. ✖ 160

2. ✔ 140

3. ✖ 40

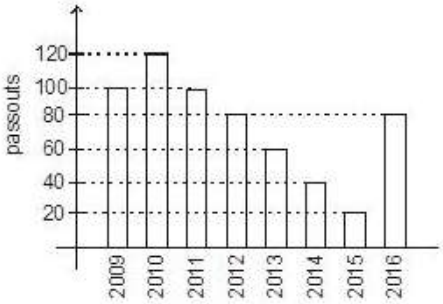
4. ✖ 20

Question Number : 6 Question Id : 1626531833 Question 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 पिछले वर्षों से XYZ संस्थान के लिए NTSE के उत्तीर्ण प्रतिशत से संबंधित जानकारी को दर्शाता है। चार्ट को ध्यानपूर्वक पढ़ें और प्रश्नों का उत्तर दें।



2014-16 के दौरान 'XYZ' से NTSE कितने छात्र उत्तीर्ण हुए हैं?

Options :

1. ✖ 160

2. ✔ 140

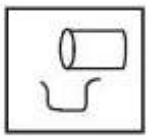
3. ✖ 40

4. ✖ 20

Question Number : 7 Question Id : 1626531834 Question 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 embedded figure given below from the options.



Options :

1. ✔ 

2. ✖ 

3. ✖ 

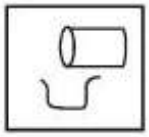
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4. ✖ 

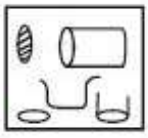
Question Number : 7 Question Id : 1626531834 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

विकल्पों में से नीचे दिए गए अतःस्थापित चित्र को ढूंढें।



Options :

1. ✔ 

2. ✖ 

3. ✖ 

4. ✖ 

Question Number : 8 Question Id : 1626531835 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Quick Sarkari

Study the following information carefully to answer the question given below.
Following are the qualifications and conditions for certain posts in a "XYZ" company.

The candidate must:
a) be an engineering graduate with at least 70% marks.
b) be not less than 21 years and not more than 26 years of age as on 01/04/2018.
c) have passed the written test with at least 60% of marks.
d) be willing to pay a deposit of ₹ 2.5 lakh, to be refunded on completion of probation & training.

If the candidate satisfies (a)-(e) he/she would be referred as Engineer.
However, if the candidate satisfies all the above, except:
(i) at (a), has appeared for final semester exam; result yet to be declared; has 75% average marks up to seventh semester; would be referred as Project-Engineer.
(ii) at (a), has done diploma in engineering with 75% of marks, would be referred as Asst. Engineer.
(iii) at (d), is willing to pay ₹ 1.5 lakh as security deposit, would be referred as Engineer-Trainee.
(iv) at (b), even if age is above 26 years as on 1/4/18, but with 3 years of experience, would be referred as Senior-Engineer.

Pranita has completed her B.E. in electronics with 71% of marks. She also has cleared written test with 75% of marks. She is 22 years old as on May 2018. She is willing to pay security deposit of ₹ 1.5 lakh. For which position will she be referred?

Options :

1. ✖ Engineer

2. ✖ Project Engineer

3. ✖ Senior Engineer

4. ✔ Engineer Trainee

Question Number : 8 Question Id : 1626531835 Question 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 जानकारी का ध्यानपूर्वक अध्ययन करें और नीचे दिए गए प्रश्नों का उत्तर दें।

"XYZ" कंपनी में कुछ पदों के लिए योग्यता और शर्तें निम्नलिखित हैं: उम्मीदवार को अवश्य ही

a) कम से कम 70% अंकों के साथ अभियांत्रिक (इंजीनियरिंग) स्नातक हो।

b) उम्र, 01/04/2018 को, 21 साल से कम न हो और 26 वर्ष से अधिक न हो।

c) कम से कम 60% अंकों के साथ लिखित परीक्षा उत्तीर्ण की हो।

d) परिवीक्षा और प्रशिक्षण पूरा होने पर वापसी की जाने वाली ₹2.5 लाख की राशि का भुगतान करने के लिए तैयार होना चाहिए।

यदि उम्मीदवार (a) - (e) की शर्तों को पूरा करता/करती है तो उसे अभियंता के रूप में जाना जाएगा।

फिर भी, यदि उम्मीदवार उपरोक्त सभी शर्तों को पूरा करता/करती है,सिवा इस के:

(i) (a) से संबंधित, में अंतिम सेमेस्टर की परीक्षा में बैठा/बैठी है; परिणाम की घोषणा होनी अभी शेष है तथा उसने सातवें सेमेस्टर तक औसत 75% अंक प्राप्त किए हैं, तो उसे परियोजना अभियंता (प्रोजेक्ट-इंजीनियर) के रूप में जाना जाएगा।

(ii) (a) से संबंधित, उसने 75% अंकों के साथ इंजीनियरिंग में डिप्लोमा किया है तो उसे सहायक अभियंता (असिस्टेंट इंजीनियर) के रूप में माना जाएगा।

(iii) (d) से संबंधित,वह ₹1.5 लाख का भुगतान जमानत जमा के रूप में करने को तैयार है, तो उसे अभियंता प्रशिक्षणार्थी के रूप में जाना जाएगा।

(iv) (b) से संबंधित, यदि 1/4/18 को, उस की उम्र 26 वर्ष से अधिक है, परंतु 3 साल का अनुभव होने पर उन्हें वरिष्ठ अभियंता के रूप में जाना जाएगा।

प्रणिता ने इलेक्ट्रॉनिक्स में अपना B.E. 71% अंकों के साथ पूरा किया है। उसने 75% अंकों के साथ लिखित परीक्षा भी उत्तीर्ण की है। वह मई 2018 को 22 साल की हो गई है। वह ₹1.5 लाख की जमानत जमा का भुगतान करने को तैयार है। किस पद के लिए उसकी संस्तुति की जाएगी?

Options :

1. ✖ अभियंता

2. ✖ परियोजना अभियंता

3. ✖ वरिष्ठ अभियंता

4. ✔ अभियंता प्रशिक्षणार्थी

Question Number : 9 Question Id : 1626531836 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

When you are going to college, you find some seniors are ragging your classmates. What is the best way to adopt to tackle the situation?

Options :

1. ✖ Warn the seniors not to rag.

2. ✔ Bring this matter to the notice of the College Principal.

3. ✖ Warn your classmates that they could get ragged.

4. ✖ Go and sit in your classroom.

Question Number : 9 Question Id : 1626531836 Question 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 आप कॉलेज जा रहे हैं, आप देखते हैं कि कुछ सीनियर आपके सहपाठियों की रैगिंग कर रहे हैं। स्थिति से निपटने के लिए अपनाया जाए ऐसा सब से अच्छा तरीका कौन सा है?

Options :

1. ✖ वरिष्ठों को रैगिंग न करने की चेतावनी दें।

2. ✔ इस मामले को कॉलेज प्रिंसिपल के ध्यान में लाएँ।

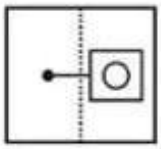
3. ✖ अपने सहपाठियों को उन के रैगिंग किये जाने की चेतावनी दें।

4. ✖ जाएँ और अपनी कक्षा में बैठ जाएँ।

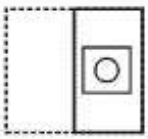
Question Number : 10 Question Id : 1626531837 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

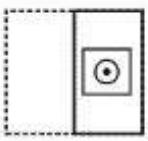
Correct Marks : 1 Wrong Marks : 0.25

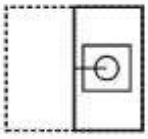
How the pattern would appear when the transparent sheet is folded at the dotted line?



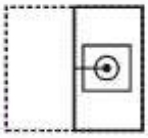
Options :

1. ✖ 

2. ✖ 

3. ✖ 

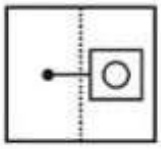
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4. 

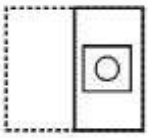
Question Number : 10 Question Id : 1626531837 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

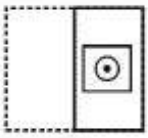
Correct Marks : 1 Wrong Marks : 0.25

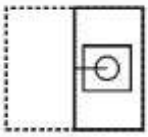
जब पारदर्शी शीट को बिंदु-रेखा पर मोड़ा जाता है तो पैटर्न कैसा दिखाई देगा?

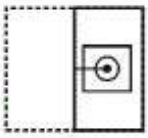


Options :

1. 

2. 

3. 

4. 

Question Number : 11 Question Id : 1626531838 Question 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 best option that suits the statement.

A text book always has _____.

Options :

1. pages

2. pictures

3. tables

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4. ✖ illustrations

Question Number : 11 Question Id : 1626531838 Question 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 के लिए सबसे उपयुक्त विकल्प की पहचान करें।

एक पाठ्य-पुस्तिका में हमेशा क्या होता है?

Options :

1. ✔ पृष्ठ

2. ✖ चित्र

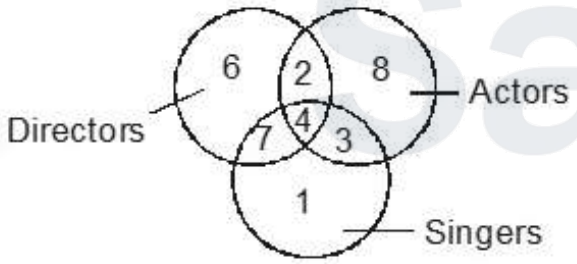
3. ✖ सारिणी

4. ✖ द्रष्टांत

Question Number : 12 Question Id : 1626531839 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Study the following carefully and answer the given question.



Which region denotes singers, who are directors but not actors?

Options :

1. ✖ 4

2. ✖ 3

3. ✖ 10

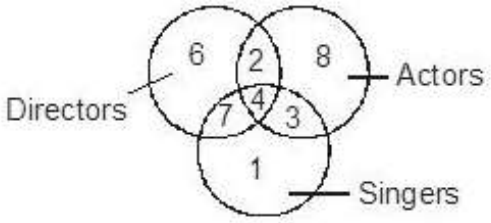
4. ✔ 7

Question Number : 12 Question Id : 1626531839 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

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



कौन सा क्षेत्र गायकों को दर्शाता है, जो निदेशक हैं लेकिन अभिनेता नहीं हैं?

Options :

1. ✖ 4

2. ✖ 3

3. ✖ 10

4. ✔ 7

Question Number : 13 Question Id : 1626531840 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Sunanda is sister of Krishna. How is krishna's father's sister's daughter related to Sunanda?

Options :

1. ✔ Cousin

2. ✖ Sister

3. ✖ Aunt

4. ✖ Mother

Question Number : 13 Question Id : 1626531840 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सुनंदा कृष्णा की बहन है। कृष्णा के पिता की बहन की बेटी का सुनंदा से क्या संबंध है?

Options :

1. ✔ चचेरी/ममेरी/मौसेरी/फुफेरी बहन

2. ✖ बहन

3. ✖ चाची/बुआ/मौसी/मामी

4. ✖ माँ

Question Number : 14 Question Id : 1626531841 Question 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 +, < for –, + means ÷ , > means ×, – for 'equal to', ÷ means 'greater than' and '=' for less than how the following statement get transformed to $7 > 10 + 2 = 9 < 3 \times 4$?

Options :

1. ✔ $35 < 10$

2. ✖ $39 < 5$

3. ✖ $40 < 2$

4. ✖ $45 < 10$

Question Number : 14 Question Id : 1626531841 Question 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 मतलब +, < - के लिए, + मतलब ÷, > मतलब ×, - 'बराबर' के लिए है, ÷ का मतलब >' और '=' < के लिए है तो निम्न कथन, $7 > 10 + 2 = 9 < 3 \times 4$ में किस प्रकार बदलेगा?

Options :

1. ✔ $35 < 10$

2. ✖ $39 < 5$

3. ✖ $40 < 2$

4. ✖ $45 < 10$

Question Number : 15 Question Id : 1626531842 Question 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 number which, when added to itself 9 times, gives 140.

Options :

1. ✖ 12

2. ✖ 16

3. ✔ 14

4. ✖ 20

Question Number : 15 Question Id : 1626531842 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

उस नंबर को बताएं जो उसी से 9 बार जोड़ने पर 140 होता है।

Options :

1. ✖ 12

2. ✖ 16

3. ✔ 14

4. ✖ 20

Question Number : 16 Question Id : 1626531843 Question 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 present ages of Ramu, Ranjeet, Naresh are in proportions 3 : 5 : 8. Five years ago, the sum of their ages was 65. Find their present ages (in years).

Options :

1. ✔ 15, 25, 40

2. ✖ 10, 20, 35

3. ✖ 45,23,16

4. ✖ 17,19,12

Question Number : 16 Question Id : 1626531843 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

रामू, रणजीत, नरेश की वर्तमान आयु 3 : 5 : 8 अनुपात में है। 5 वर्ष पहले उनकी उम्र का योग 65 था। उनकी वर्तमान उम्र बताएँ (वर्षों में)।

Options :

1. ✔ 15, 25, 40

2. ✖ 10, 20, 35

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3. ✖ 45, 23, 16

4. ✖ 17, 19, 12

Question Number : 17 Question Id : 1626531844 Question 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. ✖ Omelets : Egg

2. ✖ Rubber : Latex

3. ✔ Clothes : Word robe

4. ✖ Shoes : Leather

Question Number : 17 Question Id : 1626531844 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

शब्दो का विषम युग्म बताएँ।

Options :

1. ✖ आमलेट : अंडा

2. ✖ रबड़ : आक्षिर

3. ✔ वस्त्र : वस्त्रागार

4. ✖ जूता : चमड़ा

Question Number : 18 Question Id : 1626531845 Question 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. ✔ 115 – 15

2. ✖ 144 – 12

3. ✖ 81 – 9

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4. ✖ 25 – 5

Question Number : 18 Question Id : 1626531845 Question 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 का विषम युग्म बताएँ।

Options :

1. ✔ 115 - 15

2. ✖ 144 - 12

3. ✖ 81 - 9

4. ✖ 25 - 5

Question Number : 19 Question Id : 1626531846 Question 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?

37, 42, 40, ?, 43, 48

Options :

1. ✔ 45

2. ✖ 46

3. ✖ 50

4. ✖ 53

Question Number : 19 Question Id : 1626531846 Question 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 श्रृंखला में अनुपस्थित संख्या कौन सी होगी?

37, 42, 40, ?, 43, 48

Options :

1. ✔ 45

2. ✖ 46

3. ✖ 50

4. ✖ 53

Question Number : 20 Question Id : 1626531847 Question 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?

PY, RW, UT, YP, ?

Options :

1. ✖ AV

2. ✖ GC

3. ✔ DK

4. ✖ RO

Question Number : 20 Question Id : 1626531847 Question 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 श्रृंखला में अनुपस्थित पद क्या होगा?

PY, RW, UT, YP, ?

Options :

1. ✖ AV

2. ✖ GC

3. ✔ DK

4. ✖ RO

General Awareness

Group Number :	2
Group Id :	16265392
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No

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

General Awareness

Section Id :	16265392
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:	162653120
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 1626531848 Question 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 was the founder of the Indian National Congress?

Options :

1. ✖ Annie Besant

2. ✔ Allan Octavian Hume

3. ✖ Jawaharlal Nehru

4. ✖ Sardar Vallabh Bhai Patel

Question Number : 21 Question Id : 1626531848 Question 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 राष्ट्रीय कांग्रेस के संस्थापक कौन थे?

Options :

1. ✖ एनी बेसेन्ट

2. ✔ एलन ऑक्टावियन ह्यूम

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3. ✖ जवाहरलाल नेहरू

4. ✖ सरदार वल्लभ भाई पटेल

Question Number : 22 Question Id : 1626531849 Question 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 constructed the famous Ala'i-Darwaza, situated in the Qutub complex?

Options :

1. ✔ Alau'd-Din Khalji

2. ✖ Iltutmish

3. ✖ Qutbu'd-Din Aibak

4. ✖ Firuz Shah Tughlaq

Question Number : 22 Question Id : 1626531849 Question 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 कुतुब परिसर में स्थित प्रसिद्ध अलै-दरवाजा का निर्माण किया?

Options :

1. ✔ अलाउद्दीन खिलजी

2. ✖ इल्तुतमिश

3. ✖ कुतुब-उद-दीन ऐबक

4. ✖ फिरोज शाह तुगलक

Question Number : 23 Question Id : 1626531850 Question 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 the following civilisations was also known as 'mound of the dead' in Sindhi?

Options :

1. ✖ Egyptian civilisation

2. ✖ Harappan civilisation

3. ✔ Mohenjo-Daro

4. ✖ Mesopotamia

Question Number : 23 Question Id : 1626531850 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सिंधी में निम्नलिखित सभ्यताओं में से कौन सा 'मृतकों का ढेर' के रूप में जाना जाता था?

Options :

1. ✖ मिस्र सभ्यता

2. ✖ हड़प्पा सभ्यता

3. ✔ मोहनजोदड़ो

4. ✖ मेसोपोटामिया

Question Number : 24 Question Id : 1626531851 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Summer solstice, the moment during the year when the path of the Sun in the sky is the farthest north in the Northern Hemisphere, falls on which dates?

Options :

1. ✔ June 20 or 21

2. ✖ July 20 or 21

3. ✖ June 2 or 3

4. ✖ August 20 or 21

Question Number : 24 Question Id : 1626531851 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

ग्रीष्मकालीन संक्रांति, वर्ष के दौरान वह पल जब आकाश में सूर्य का मार्ग उत्तरी गोलार्ध में सबसे दूर उत्तर होता है, किस तारीख पर गिरता है?

Options :

1. ✔ 20 या 21 जून

2. ✖ 20 या 21 जुलाई

3. ✖ 2 या 3 जून

4. ✖ 20 या 21 अगस्त

Question Number : 25 Question Id : 1626531852 Question 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 the following rivers is also called Tsangpo?

Options :

1. ✖ Ganga

2. ✔ Brahmaputra

3. ✖ Chenab

4. ✖ Jhelum

Question Number : 25 Question Id : 1626531852 Question 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 नदियों में से किसे त्संगपो भी कहा जाता है?

Options :

1. ✖ गंगा

2. ✔ ब्रह्मपुत्र

3. ✖ चिनाब

4. ✖ झेलम

Question Number : 26 Question Id : 1626531853 Question 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 members are nominated by the President from the Anglo-Indian community in Lok Sabha?

Options :

1. ✔ Two

2. ✖ Three

3. ✖ One

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4. ✖ Five

Question Number : 26 Question Id : 1626531853 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

लोकसभा में एंग्लो-इंडियन समुदाय से माननीय राष्ट्रपति द्वारा कितने सदस्यों को नामित किया जाता है?

Options :

1. ✔ दो

2. ✖ तीन

3. ✖ एक

4. ✖ पंज

Question Number : 27 Question Id : 1626531854 Question 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 has the power to discontinue a session in the two Houses and dissolve the Lok Sabha (in consultation with the Executive)?

Options :

1. ✖ The Vice President

2. ✖ The Prime Minister

3. ✔ The President

4. ✖ The Speaker of Lok Sabha

Question Number : 27 Question Id : 1626531854 Question 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 किसके पास दोनों सदनों में एक सत्र को बंद करने और लोकसभा को भंग करने की शक्ति है (कार्यकारी के परामर्श से)?

Options :

1. ✖ उपराष्ट्रपति

2. ✖ प्रधानमंत्री

3. ✔ राष्ट्रपति

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4. ✖ लोकसभा अध्यक्ष

Question Number : 28 Question Id : 1626531855 Question 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 Committee on the Welfare of Scheduled Castes and Scheduled Tribes consists of:

Options :

1. ✖ 10 members from the Lok Sabha and 20 members from the Rajya Sabha

2. ✖ 20 members from the Lok Sabha and 20 members from the Rajya Sabha

3. ✔ 20 members from the Lok Sabha and 10 members from the Rajya Sabha

4. ✖ 10 members from the Lok Sabha and 10 members from the Rajya Sabha

Question Number : 28 Question Id : 1626531855 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अनुसूचित जातियों और अनुसूचित जनजातियों के कल्याण समिति में निम्न शामिल हैं:

Options :

1. ✖ लोकसभा से 10 सदस्य और राज्य सभा से 20 सदस्य

2. ✖ लोकसभा से 20 सदस्य और राज्य सभा से 20 सदस्य

3. ✔ लोकसभा से 20 सदस्य और राज्य सभा से 10 सदस्य

4. ✖ लोकसभा से 10 सदस्य और राज्य सभा से 10 सदस्य

Question Number : 29 Question Id : 1626531856 Question 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 law states that 'when the price of a product increases, the demand for the same product will fall'?

Options :

1. ✖ The law of self-interest

2. ✖ The law of competition

3. ✖ The law of increasing costs

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4. ✔ The law of demand

Question Number : 29 Question Id : 1626531856 Question 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 कानून बताता है कि 'जब उत्पाद की कीमत बढ़ जाती है, तो उसी उत्पाद की मांग गिर जाएगी'?

Options :

1. ✖ स्व-रुचि का कानून

2. ✖ प्रतियोगिता का कानून

3. ✖ लागत बढ़ने का कानून

4. ✔ मांग का कानून

Question Number : 30 Question Id : 1626531857 Question 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 company topped the ET 500 2017 ranking, in the annual edition of top 500 companies in India put together by Economic Times?

Options :

1. ✖ Tata Consultancy Services

2. ✖ Reliance Industries Ltd.

3. ✔ Indian Oil Corporation Ltd.

4. ✖ State Bank of India

Question Number : 30 Question Id : 1626531857 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

इकोनॉमिक टाइम्स द्वारा एक साथ रखी गई भारत की चोटी की 500 कंपनियों के वार्षिक संस्करण में, ET 500 2017 रैंकिंग में कौन सी कंपनी शीर्ष पर थी?

Options :

1. ✖ टाटा कंसल्टेंसी सर्विसेज

2. ✖ रिलायंस इंडस्ट्रीज लिमिटेड

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3. ✔ इंडियन ऑयल कॉर्पोरेशन लिमिटेड

4. ✖ भारतीय स्टेट बैंक

Question Number : 31 Question Id : 1626531858 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

_____ is unique form of art found in Kerala. It is essentially a ritualistic art practiced in temples where the representation of deities like Kali and Lord Ayyappa, are made on the floor.

Options :

1. ✖ Pulikali

2. ✔ Kalamezhuthu

3. ✖ Theyyam

4. ✖ Chakyar koothu

Question Number : 31 Question Id : 1626531858 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

केरल में पाया जानेवाला, _____ कला का अद्वितीय रूप है। यह आवश्यकत: मंदिरों में प्रचलित एक अनुष्ठानिक कला है जहां काली और भगवान अयप्पा जैसे देवताओं का वर्णन फर्श पर किया जाता है।

Options :

1. ✖ पुलीकली

2. ✔ कालमेजुथु

3. ✖ तेय्यम

4. ✖ चक्कीर कुथू

Question Number : 32 Question Id : 1626531859 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Nirmal paintings are associated with which of the following states?

Options :

1. ✔ Andhra Pradesh

2. ✖ Nagaland

3. ✖ Arunachal Pradesh

4. ✖ Meghalaya

Question Number : 32 Question Id : 1626531859 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निर्मल चित्रकारी निम्नलिखित राज्यों में से किस से जुड़ी हुई है?

Options :

1. ✔ आंध्र प्रदेश

2. ✖ नागालैंड

3. ✖ अरुणाचल प्रदेश

4. ✖ मेघालय

Question Number : 33 Question Id : 1626531860 Question 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 the following is also known as Lotus temple?

Options :

1. ✖ Badrinath Temple

2. ✔ Bahai Temple

3. ✖ Brihadeeswara Temple

4. ✖ Vaishno Devi Mandir

Question Number : 33 Question Id : 1626531860 Question 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 कमल मंदिर के रूप में जाना जाता है?

Options :

1. ✖ बद्रीनाथ मंदिर

2. ✔ बहाई मंदिर

3. ✖ बृहदीश्वर मंदिर

4. ✖ वैष्णो देवी मंदिर

Question Number : 34 Question Id : 1626531861 Question 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 won gold in the 74 kg Junior Asian Wrestling Championship 2018, held at New Delhi?

Options :

1. ✔ Sachin Rathi

2. ✖ Mohit

3. ✖ Suraj Rajkumar Kokate

4. ✖ Somveer Singh

Question Number : 34 Question Id : 1626531861 Question 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 में से किस ने, नई दिल्ली में आयोजित 74 kg जूनियर एशियाई कुश्ती चैंपियनशिप 2018 में स्वर्ण जीता?

Options :

1. ✔ सचिन राठी

2. ✖ मोहित

3. ✖ सूरज राजकुमार कोकाटे

4. ✖ सोमवीर सिंह

Question Number : 35 Question Id : 1626531862 Question 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 Archery World Cup held at Berlin, Indian women's compound team lost gold to the team from which of the following countries?

Options :

1. ✔ France

2. ✖ Turkey

3. ✖ Germany

4. ✖ Italy

Question Number : 35 Question Id : 1626531862 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

बर्लिन में आयोजित तीरंदाजी विश्व कप में, भारतीय महिलाओं की यौगिक टीम ने निम्नलिखित देशों में से किस देश की टीम से स्वर्ण पदक हारा?

Options :

1. ✔ फ्रांस

2. ✖ तुर्की

3. ✖ जर्मनी

4. ✖ इटली

Question Number : 36 Question Id : 1626531863 Question 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 the following is used to make non-stick cookware's?

Options :

1. ✖ Rayon

2. ✔ Teflon

3. ✖ Melamine

4. ✖ Bakelite

Question Number : 36 Question Id : 1626531863 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

गैर-स्टिक कुकवेयर बनाने के लिए निम्नलिखित में से क्या उपयोग किया जाता है?

Options :

1. ✖ रेयान

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2. ✔ टेफ़लोन

3. ✖ मेलामाइन

4. ✖ एक प्रकार का प्लास्टिक

Question Number : 37 Question Id : 1626531864 Question 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 headquarters of the Asian Development Bank (ADB) located?

Options :

1. ✔ Manila, Philippines

2. ✖ Beijing, China

3. ✖ Shanghai, China

4. ✖ Jakarta, Indonesia

Question Number : 37 Question Id : 1626531864 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एशियाई विकास बैंक (ए.डी.बी.) का मुख्यालय कहाँ स्थित है?

Options :

1. ✔ मनिला, फिलीपींस

2. ✖ बीजिंग, चीन

3. ✖ शंघाई, चीन

4. ✖ जकार्ता, इंडोनेशिया

Question Number : 38 Question Id : 1626531865 Question 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 was elected as Zimbabwe's President after Robert Mugabe's removal in a coup in November2017?

Options :

1. ✖ Nelson Chamisa

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2. ✔ Emmerson Mnangagwa Grace Mugabe

3. ✖ Morgan Tsvangirai

4. ✖ Kayaking Expedition

Question Number : 38 Question Id : 1626531865 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

नवंबर 2014 में रॉबर्ट मुगाबे के विद्रोह के बाद जिम्बाब्वे के राष्ट्रपति के रूप में चुने गए थे?

Options :

1. ✖ नेल्सन चमिसा

2. ✔ एमर्सन मनंगाग्वा ग्रेस मुगाबे

3. ✖ मॉर्गन तसवनगिरै

4. ✖ कयाकिंग अभियान

Question Number : 39 Question Id : 1626531866 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

When was the World Biofuel Day celebrated recently?

Options :

1. ✔ 10 August 2018

2. ✖ 20 July 2018

3. ✖ 10 March 2018

4. ✖ 18 June 2018

Question Number : 39 Question Id : 1626531866 Question 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 विश्व जैव ईंधन दिवस कब मनाया गया था?

Options :

1. ✔ 10 अगस्त 2018

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2. ✖ 20 जुलाई 2018

3. ✖ 10 मार्च 2018

4. ✖ 18 जून 2018

Question Number : 40 Question Id : 1626531867 Question 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 May 2018, which of the following firms partnered with the National Commission for Women (NCW) to launch a Digital Literacy Programme to train women on safe use of internet and social media?

Options :

1. ✖ Google

2. ✔ Facebook

3. ✖ WhatsApp

4. ✖ Twitter

Question Number : 40 Question Id : 1626531867 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

मई 2018 में, निम्नलिखित में से किसने महिलाओं को इंटरनेट और सोशल मीडिया के सुरक्षित उपयोग पर प्रशिक्षित करने के लिए डिजिटल साक्षरता कार्यक्रम शुरू करने के लिए राष्ट्रीय आयोग (एन.सी.डब्ल्यू.) के साथ भागीदारी की?

Options :

1. ✖ गूगल

2. ✔ फेसबुक

3. ✖ व्हाट्सअप

4. ✖ ट्विटर

Arithmetic Ability

Group Number :	3
Group Id :	16265393
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 :	16265393
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:	162653121
Question Shuffling Allowed :	Yes

Question Number : 41 Question Id : 1626531868 Question 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 $\frac{(0.86)^3+(0.14)^3}{(8.6)^2+(1.4)^2-86\times0.14}$ is equal to:

Options :

1. ✖ 0.001

2. ✔ 0.01

3. ✖ 0.1

4. ✖ 10

Question Number : 41 Question Id : 1626531868 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अभिव्यक्ति $\frac{(0.86)^3+(0.14)^3}{(8.6)^2+(1.4)^2-86\times0.14}$ का मान किसके बराबर होगा?

Options :

1. ✖ 0.001

2. ✔ 0.01

3. ✖ 0.1

4. ✖ 10

Question Number : 42 Question Id : 1626531869 Question 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 $1.\overline{3} + 0.1\overline{23} - 0.\overline{11}$ is equal to:

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

Options :

1. $1.\overline{36}$

2. $1.\overline{369}$

3. $1.3\overline{69}$

4. $0.3\overline{69}$

Question Number : 42 Question Id : 1626531869 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अभिव्यक्ति $1.\overline{3} + 0.1\overline{23} - 0.\overline{11}$ का मान किसके बराबर होगा?

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

Options :

1. $1.\overline{36}$

2. $1.\overline{369}$

3. $1.3\overline{69}$

4. $0.3\overline{69}$

Question Number : 43 Question Id : 1626531870 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The LCM of two numbers is 35 times their HCF. If their HCF is 45 and both the numbers are three-digit numbers, then what is the sum of their reciprocals?

Options :

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1. ✔ $\frac{4}{525}$

2. ✖ $\frac{12}{35}$

3. ✖ $\frac{2}{525}$

4. ✖ $\frac{7}{16}$

Question Number : 43 Question Id : 1626531870 Question 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 नंबरों का लघुत्तम समापवर्त्य उसके महत्तम समापवर्तक का 35 गुना है। यदि उनका महत्तम समापवर्तक 45 है और दोनों नंबर तीन अंकों की संख्या हैं, तो उनके पारस्परिक संबंधों का योग क्या होगा?

Options :

1. ✔ $\frac{4}{525}$

2. ✖ $\frac{12}{35}$

3. ✖ $\frac{2}{525}$

4. ✖ $\frac{7}{16}$

Question Number : 44 Question Id : 1626531871 Question 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 5 : 6 : 8 and their LCM is 7200. What is their HCF?

Options :

1. ✖ 30

2. ✔ 60

3. ✖ 90

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4. ✖ 120

Question Number : 44 Question Id : 1626531871 Question 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 5 : 6 : 8 के अनुपात में हैं और उनका लघुत्तम समापवर्त्य 7200 है। इन संख्याओं का महत्तम समापवर्तक क्या होगा?

Options :

1. ✖ 30

2. ✔ 60

3. ✖ 90

4. ✖ 120

Question Number : 45 Question Id : 1626531872 Question 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 = 3 : 4, then (7a – 3b) is equal to:

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

Options :

1. 3 : 4

2. 2 : 5

3. 37 : 19

4. 3 : 11

Question Number : 45 Question Id : 1626531872 Question 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 = 3 : 4 है, तो (7a - 3b) किसके बराबर होगा?

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

Options :

1. 3 : 4

2. 2 : 5

3. 37 : 19

4. 3 : 11

Question Number : 46 Question Id : 1626531873 Question 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 numbers are in the ratio 4 : 3. If each number is increased by 6, the ratio becomes 5 : 4. The difference between the numbers is:

Options :

1. ✖ 1

2. ✖ 3

3. ✔ 6

4. ✖ 9

Question Number : 46 Question Id : 1626531873 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

दो संख्याओं के बीच का अनुपात 4 : 3 है। यदि प्रत्येक संख्या को 6 बढ़ा दिया जाता है, तो उनके बीच का अनुपात 5 : 4 हो जाता है। संख्या के बीच का अंतर कितना होगा?

Options :

1. ✖ 1

2. ✖ 3

3. ✔ 6

4. ✖ 9

Question Number : 47 Question Id : 1626531874 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The length of a rectangle is increased by 50%. By what percentage should its width be decreased so that its area remains the same?

Options :

1. ✖ 20%

2. ✔ $\frac{100}{3}\%$

3. ✖ $\frac{50}{3}\%$

4. ✖ 25%

Question Number : 47 Question Id : 1626531874 Question 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 आयत की लंबाई में 50% की वृद्धि की जाती है। इसकी चौड़ाई किस प्रतिशत से कम की जानी चाहिए ताकि उसका क्षेत्रफल वही रहे?

Options :

1. ✖ 20%

2. ✔ $\frac{100}{3}\%$

3. ✖ $\frac{50}{3}\%$

4. ✖ 25%

Question Number : 48 Question Id : 1626531875 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A person spends 90% of his income. If his income is increased by 40%, he increases his expenditure by 30%. What is the percentage increase in his saving?

Options :

1. ✖ $\frac{2300}{13}\%$

2. ✖ 65%

3. ✖ $\frac{1000}{13}\%$

4. ✔ 130%

Question Number : 48 Question Id : 1626531875 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक व्यक्ति अपनी आय का 90% खर्च करता है। अगर उसकी आय में 40% की वृद्धि हो जाती है, तो वह अपने व्यय को 30% बढ़ा देता है। उसकी बचत में प्रतिशत वृद्धि क्या है?

Options :

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1. ✖ $\frac{2300}{13}\%$

2. ✖ 65%

3. ✖ $\frac{1000}{13}\%$

4. ✔ 130%

Question Number : 49 Question Id : 1626531876 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The ratio of the selling prices of two articles is 2 : 3. The first article is sold at a profit of 20% and the second at a loss of 20%. What is the overall profit or loss percentage?

Options :

1. ✔ $\frac{100}{13}\%$ loss

2. ✖ $\frac{100}{13}\%$ profit

3. ✖ $\frac{100}{11}\%$ loss

4. ✖ $\frac{100}{11}\%$ profit

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Question Number : 49 Question Id : 1626531876 Question 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 वस्तुओं की बिक्री मूल्य का अनुपात 2 : 3 है। पहली वस्तु 20% के लाभ पर और दूसरी वस्तु 20% की हानि पर बेची जाती है। उसका कुल लाभ या हानि प्रतिशत क्या है?

Options :

1. ✔ $\frac{100}{13}\%$ हानि

2. ✖ $\frac{100}{13}\%$ लाभ

3. ✖ $\frac{100}{11}\%$ हानि

4. ✖ $\frac{100}{11}$% लाभ

Question Number : 50 Question Id : 1626531877 Question 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 130% of itself in 4 years at a certain rate of simple interest. What will be the simple interest on ₹ 2000 for 3 years at the same rate of simple interest?

Options :

1. ✖ ₹ 350

2. ✖ ₹ 425

3. ✔ ₹ 450

4. ✖ ₹ 480

Question Number : 50 Question Id : 1626531877 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

साधारण ब्याज की निश्चित दर पर 4 साल में धन 130% हो जाता है। उसी साधारण ब्याज दर पर 3 साल में ₹ 2000 के लिए साधारण ब्याज क्या होगी?

Options :

1. ✖ ₹ 350

2. ✖ ₹ 425

3. ✔ ₹ 450

4. ✖ ₹ 480

Question Number : 51 Question Id : 1626531878 Question 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 compound interest on ₹ 48000 for 3 years (interest rounded off to a rupee) if the rate of interest for the first year is 8% per annum and it increases by 2% every subsequent years?

Options :

1. ✖ ₹ 14480

2. ✖ ₹ 14528

3. ✖ ₹ 14726

4. ✔ ₹ 15867

Question Number : 51 Question Id : 1626531878 Question 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 साल के लिए ₹ 48000 पर चक्रवृद्धि ब्याज क्या होगी यदि प्रथम वर्ष के लिए ब्याज दर 8% प्रतिवर्ष है और बाद के प्रत्येक वर्षों में 2% की वृद्धि होती है?

Options :

1. ✖ ₹ 14480

2. ✖ ₹ 14528

3. ✖ ₹ 14726

4. ✔ ₹ 15867

Question Number : 52 Question Id : 1626531879 Question 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 26 cm, 28 cm and 30 cm. What is the length of its shortest altitude?

Options :

1. ✖ 11.2 cm

2. ✔ 22.4 cm

3. ✖ 24 cm

4. ✖ 25.8 cm

Question Number : 52 Question Id : 1626531879 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक त्रिकोण के किनारे 26 cm, 28 cm और 30 cm हैं। इसकी सबसे छोटी ऊंचाई की लंबाई क्या होगी?

Options :

1. ✖ 11.2 cm

2. ✔ 22.4 cm

3. ✖ 24 cm

4. ✖ 25.8 cm

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Question Number : 53 Question Id : 1626531880 Question 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 height of a cylinder is increased by 10% and the radius of its base is decreased by 10%. What is the percentage increase or decrease in its curved surface area?

Options :

1. ✖ No change

2. ✔ 1% decrease

3. ✖ 1% increase

4. ✖ 2% decrease

Question Number : 53 Question Id : 1626531880 Question 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 सिलेंडर की ऊंचाई में 10% की वृद्धि होती है और इसके आधार की त्रिज्या में 10% की कमी होती है। इसके वक्र (Curve) सतह क्षेत्र में वृद्धि या कमी प्रतिशत क्या है?

Options :

1. ✖ कोई परिवर्तन नहीं

2. ✔ 1% कमी

3. ✖ 1% वृद्धि

4. ✖ 2% कमी

Question Number : 54 Question Id : 1626531881 Question 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 train of length 300 m takes 20 seconds to pass another train of length 200 m travelling in the opposite direction. If the speed of the first train is 30 km/h, then what is the speed of the second train in km/h?

Options :

1. ✖ 36

2. ✖ 54

3. ✔ 60

4. ✖ 72

Question Number : 54 Question Id : 1626531881 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

300 मीटर लंबाई वाली एक ट्रेन विपरीत दिशा में जाने वाली 200 मीटर लंबाई वाली दूसरी ट्रेन को पार करने में 20 सेकंड लगाती है। यदि पहली ट्रेन की गति 30 km/h है, तो km/h में दूसरी ट्रेन की गति क्या है?

Options :

1. ✖ 36

2. ✖ 54

3. ✔ 60

4. ✖ 72

Question Number : 55 Question Id : 1626531882 Question 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 14 km downstream in $3\frac{1}{2}$ hours. What is the speed of the boat in still water in km/h?

Options :

1. ✖ 10

2. ✔ 12

3. ✖ 14

4. ✖ 15

Question Number : 55 Question Id : 1626531882 Question 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 15 km धारा-प्रतिकूल और 21 km अनुप्रवाह जा सकती है। यह $3\frac{1}{2}$ घंटे में 25 km धारा-प्रतिकूल और 14 km अनुप्रवाह जा सकती है। स्थिर पानी में नाव की km/h में गति क्या होगी?

Options :

1. ✖ 10

2. ✔ 12

3. ✖ 14

4. ✖ 15

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Question Number : 56 Question Id : 1626531883 Question 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 18 days. In how many days can A alone complete the same piece of work?

Options :

1. ✖ 27

2. ✖ 36

3. ✖ 54

4. ✔ 81

Question Number : 56 Question Id : 1626531883 Question 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 कार्य क्षमता का अनुपात 2 : 3 : 4 है। वे एक साथ 18 दिनों में एक काम को पूरा कर सकते हैं। A अकेले कितने दिनों में उसी काम को पूरा कर सकता है?

Options :

1. ✖ 27

2. ✖ 36

3. ✖ 54

4. ✔ 81

Question Number : 57 Question Id : 1626531884 Question 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 alone can fill an empty tank in 4 hours and 8 hours respectively. Pipe C can empty the full tank in 5 hours. Pipes A and B are opened when tank is empty and, after 2 hours, pipe C is opened. In how many hours will the tank be filled?

Options :

1. ✔ $\frac{24}{7}$

2. ✖ $\frac{25}{7}$

3. ✖ $\frac{26}{7}$

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4. ✖ $\frac{27}{7}$

Question Number : 57 Question Id : 1626531884 Question 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 अकेले क्रमशः 4 घंटे और 8 घंटे में खाली टैंक भर सकते हैं। पाइप C अकेले 5 घंटे में पूरा टैंक खाली कर सकता है। टैंक खाली होने पर पाइप A और B खोले जाते हैं और 2 घंटे बाद, पाइप C खोला जाता है। टैंक कितने घंटे में भर जाएगा?

Options :

1. ✔ $\frac{24}{7}$

2. ✖ $\frac{25}{7}$

3. ✖ $\frac{26}{7}$

4. ✖ $\frac{27}{7}$

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Sub-Section Number: 2
Sub-Section Id: 162653122
Question Shuffling Allowed : Yes

Question Id : 1626531885 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (58 to 60)

Question Label : Comprehension

A survey was conducted among certain number of students about the subject that they like most. The number of students and the corresponding central angle on a pie chart are given in the table. Read the table and answer the following three questions.

Subject	English	Maths	Science	History	Mother Tongue
Central angle on pie chart	62.4°	(5a)°	(3a)°	52.8°	72°
No. of students	26	45	27	b	c

Sub questions

Question Number : 58 Question Id : 1626531886 Question 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 total number of students surveyed?

Options :

1. ✖ 120

2. ✔ 150

3. ✖ 180

4. ✖ 200

Question Number : 59 Question Id : 1626531887 Question 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 value of (b + c)?

Options :

1. ✖ 48

2. ✔ 52

3. ✖ 54

4. ✖ 56

Question Number : 60 Question Id : 1626531888 Question 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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What percentage of students like Maths most?

Options :

1. ✖ 20%

2. ✖ 24%

3. ✖ 25%

4. ✔ 30%

Question Id : 1626531885 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (58 to 60)

Question Label : Comprehension

कुछ छात्रों के बीच उस विषय के बारे में एक सर्वेक्षण आयोजित किया गया था जो उन्हें सबसे ज्यादा पसंद है। पाई-चार्ट पर छात्रों और संबंधित केंद्रीय कोण की संख्या तालिका में दी गयी है। तालिका पढ़ें और दिए गए तीन सवालों के जवाब दें।

विषय	अंग्रेजी	गणित	विज्ञान	इतिहास	मातृ भाषा
पाई-चार्ट पर केंद्रीय कोण	62.4°	(5a)°	(3a)°	52.8°	72°
छात्रों की संख्या	26	45	27	b	c

Sub questions

Question Number : 58 Question Id : 1626531886 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सर्वेक्षित छात्रों की कुल संख्या क्या है?

Options :

1. ✖ 120

2. ✔ 150

3. ✖ 180

4. ✖ 200

Question Number : 59 Question Id : 1626531887 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

(b + c) का मान क्या है?

Options :

1. ✖ 48

2. ✔ 52

3. ✖ 54

4. ✖ 56

Question Number : 60 Question Id : 1626531888 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

गणित जैसे पसंदीदा विषय में छात्रों का प्रतिशत कितना है?

Options :

1. ✖ 20%

2. ✖ 24%

3. ✖ 25%

4. ✔ 30%

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General English

Group Number :	4
Group Id :	16265394
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20
Revisit allowed for group Instructions? :	Yes
Maximum Instruction Time:	0
Minimum Instruction Time:	0

General English

Section Id :	16265394
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:	162653123
Question Shuffling Allowed :	Yes

Question Number : 61 Question Id : 1626531889 Question 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 most appropriate option to fill in the blank.

His barber's shop is located _____ a corner of the Hauzrani village.

Options :

1. ✔ at

2. ✖ in

3. ✖ on

4. ✖ into

Question Number : 61 Question Id : 1626531889 Question 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 most appropriate option to fill in the blank.

His barber's shop is located _____ a corner of the Hauzrani village.

Options :

1. ✔ at

2. ✖ in

3. ✖ on

4. ✖ into

Question Number : 62 Question Id : 1626531890 Question 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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Select the most appropriate option to fill in the blank.

Rahul drew a line over the map and said, "We will visit at least four towns _____ this river."

Options :

1. ✖ across

2. ✔ along

3. ✖ under

4. ✖ over

Question Number : 62 Question Id : 1626531890 Question 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 most appropriate option to fill in the blank.

Rahul drew a line over the map and said, "We will visit at least four towns _____ this river."

Options :

1. ✖ across

2. ✔ along

3. ✖ under

4. ✖ over

Question Number : 63 Question Id : 1626531891 Question 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 most appropriate option to fill in the blank.

Why are you taking away my plate? I _____ yet.

Options :

1. ✖ did not finish

2. ✖ am not finishing

3. ✔ haven't finished

4. ✖ will not have finished

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Question Number : 63 Question Id : 1626531891 Question 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 most appropriate option to fill in the blank.

Why are you taking away my plate? I _____ yet.

Options :

1. ✖ did not finish

2. ✖ am not finishing

3. ✔ haven't finished

4. ✖ will not have finished

Question Number : 64 Question Id : 1626531892 Question 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 most appropriate option to fill in the blank.

I have put on weight, _____ these trousers don't fit me any longer.

Options :

1. ✖ and

2. ✖ but

3. ✖ or

4. ✔ so

Question Number : 64 Question Id : 1626531892 Question 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 most appropriate option to fill in the blank.

I have put on weight, _____ these trousers don't fit me any longer.

Options :

1. ✖ and

2. ✖ but

3. ✖ or

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4. ✔ so

Question Number : 65 Question Id : 1626531893 Question 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 most appropriate option to fill in the blank.

_____ we live in the same colony, we hardly see each other.

Options :

1. ✖ Because

2. ✖ In case

3. ✔ Although

4. ✖ As long as

Question Number : 65 Question Id : 1626531893 Question 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 most appropriate option to fill in the blank.

_____ we live in the same colony, we hardly see each other.

Options :

1. ✖ Because

2. ✖ In case

3. ✔ Although

4. ✖ As long as

Question Number : 66 Question Id : 1626531894 Question 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 most appropriate option to fill in the blank.

The landlord _____ Mr. Singhal when he failed to pay rent for four months.

Options :

1. ✖ punished

2. ✖ threw

3. ✔ evicted

4. ✖ forced

Question Number : 66 Question Id : 1626531894 Question 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 most appropriate option to fill in the blank.

The landlord _____ Mr. Singhal when he failed to pay rent for four months.

Options :

1. ✖ punished

2. ✖ threw

3. ✔ evicted

4. ✖ forced

Question Number : 67 Question Id : 1626531895 Question 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 most appropriate option to fill in the blank.

In our country, many people have the habit of offering _____ advice.

Options :

1. ✖ unasked

2. ✔ unsolicited

3. ✖ unfounded

4. ✖ unnatural

Question Number : 67 Question Id : 1626531895 Question 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 most appropriate option to fill in the blank.

In our country, many people have the habit of offering _____ advice.

Options :

1. ✖ unasked

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2. ✔ unsolicited

3. ✖ unfounded

4. ✖ unnatural

Question Number : 68 Question Id : 1626531896 Question 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 synonym of the given word.

ESTIMATE

Options :

1. ✖ solve

2. ✖ believe

3. ✖ find

4. ✔ assess

Question Number : 68 Question Id : 1626531896 Question 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 synonym of the given word.

ESTIMATE

Options :

1. ✖ solve

2. ✖ believe

3. ✖ find

4. ✔ assess

Question Number : 69 Question Id : 1626531897 Question 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 synonym of the given word.

LYNCH

Options :

1. ✖ raid

2. ✖ attack

3. ✔ kill

4. ✖ beat

Question Number : 69 Question Id : 1626531897 Question 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 synonym of the given word.

LYNCH

Options :

1. ✖ raid

2. ✖ attack

3. ✔ kill

4. ✖ beat

Question Number : 70 Question Id : 1626531898 Question 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 ANTONYM of the given word.

EMERGE

Options :

1. ✖ surface

2. ✖ materialise

3. ✖ appear

4. ✔ vanish

Question Number : 70 Question Id : 1626531898 Question 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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Select the ANTONYM of the given word.

EMERGE

Options :

1. ✖ surface

2. ✖ materialise

3. ✖ appear

4. ✔ vanish

Question Number : 71 Question Id : 1626531899 Question 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 ANTONYM of the given word.

PERSEVERANCE

Options :

1. ✖ determination

2. ✔ instability

3. ✖ resoluteness

4. ✖ urgency

Question Number : 71 Question Id : 1626531899 Question 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 ANTONYM of the given word.

PERSEVERANCE

Options :

1. ✖ determination

2. ✔ instability

3. ✖ resoluteness

4. ✖ urgency

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Question Number : 72 Question Id : 1626531900 Question 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 sentence structure that is grammatically correct.

Options :

1. ✖

An oval shaped fruit, which can be eaten raw with white flesh inside, the Dragon tree produces.

2. ✖

An oval shaped fruit with white flesh inside, the Dragon tree produces, which can be eaten raw.

3. ✔

The Dragon tree produces an oval shaped fruit with white flesh inside, which can be eaten raw.

4. ✖

The Dragon tree with white flesh inside produces an oval shaped fruit, which can be eaten raw.

Question Number : 72 Question Id : 1626531900 Question 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 sentence structure that is grammatically correct.

Options :

1. ✖

An oval shaped fruit, which can be eaten raw with white flesh inside, the Dragon tree produces.

2. ✖

An oval shaped fruit with white flesh inside, the Dragon tree produces, which can be eaten raw.

3. ✔

The Dragon tree produces an oval shaped fruit with white flesh inside, which can be eaten raw.

4. ✖

The Dragon tree with white flesh inside produces an oval shaped fruit, which can be eaten raw.

Question Number : 73 Question Id : 1626531901 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Arrange the parts of the sentence in a meaningful and grammatically correct order.

A. how polluting industries
B. the judges wondered
C. continued to operate
D. in the Taj Trapezium Zone
E. despite the Supreme Court's order

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Options :

1. ✔ BACDE

2. ✖ BADEC

3. ✖ ACDBE

4. ✖ ADCEB

Question Number : 73 Question Id : 1626531901 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Arrange the parts of the sentence in a meaningful and grammatically correct order.

A. how polluting industries
B. the judges wondered
C. continued to operate
D. in the Taj Trapezium Zone
E. despite the Supreme Court's order

Options :

1. ✔ BACDE

2. ✖ BADEC

3. ✖ ACDBE

4. ✖ ADCEB

Question Number : 74 Question Id : 1626531902 Question 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 sentence, four words/phrases have been underlined. One of them is incorrect. Choose the INCORRECT word/phrase from the given options.

You can go now but you must be back in the office between 4 o'clock.

Options :

1. ✖ can go

2. ✖ but

3. ✖ must be back

4. ✔ between

Question Number : 74 Question Id : 1626531902 Question 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 sentence, four words/phrases have been underlined. One of them is incorrect. Choose the INCORRECT word/phrase from the given options.

You can go now but you must be back in the office between 4 o'clock.

Options :

1. ✖ can go

2. ✖ but

3. ✖ must be back

4. ✔ between

Question Number : 75 Question Id : 1626531903 Question 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 sentence, four words/phrases have been underlined. One of them is incorrect. Choose the INCORRECT word/phrase from the given options.

No sooner we boarded the train than it started and picked up the speed.

Options :

1. ✖ No sooner

2. ✔ we boarded

3. ✖ than it started

4. ✖ picked up

Question Number : 75 Question Id : 1626531903 Question 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 sentence, four words/phrases have been underlined. One of them is incorrect. Choose the INCORRECT word/phrase from the given options.

No sooner we boarded the train than it started and picked up the speed.

Options :

1. ✖ No sooner

2. ✔ we boarded

3. ✖ than it started

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4. ✖ picked up

Sub-Section Number:	2
Sub-Section Id:	162653124
Question Shuffling Allowed :	Yes

Question Id : 1626531904 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (76 to 80)

Question Label : Comprehension

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Read the following passage and answer the questions.

THE NAME KYIRONG means "the village of happiness." I shall never cease thinking of this place with yearning, and if I can choose where to pass the evening of my life, it will be in Kyirong. When we arrived in January, the temperature was just below freezing; it seldom falls below -10 degrees centigrade. The seasons correspond to what we have in the Alps, but the vegetation is subtropical. One can go skiing the whole year round, and in the summer, there is a row of 20,000-footers to climb.

There are about eighty houses in the village, which is the seat of two district governors who administer thirty villages. We were told that we were the first Europeans who had ever come to Kyirong, and the inhabitants watched our entry with astonishment. We were quartered in the house of a farmer, which reminded me of our Austrian houses. As a matter of fact, the whole of the village might have been transplanted from the Alps, except that instead of chimneys the roofs of the houses were decorated with prayer flags.

On the ground floor were the stables for cows and horses. They were separated by a thick ceiling from the living rooms of the family, which are approached by a ladder from the courtyard. Thick stuffed mattresses served as beds and easy chairs, and near them were small, low tables. The members of the household kept their clothes in brightly painted wardrobes, and before the inevitable carved wooden altar, butter lamps were burning. In winter the whole family sat on the clean floorboards around a huge open log fire and sip their tea.

The room in which Aufschnaiter and I were put was rather small, so I soon shifted to the hay barn next door. Aufschnaiter carried on our unceasing struggle with rats and bugs, while I had to cope with mice and fleas. I never got the better of the vermin, but the view over glaciers and rhododendron forests made up for my discomfort. We had a fireplace in our room and were given wood to burn. We spent very little money; our provisions did not cost us more than £2 10s. a month each.

The staple food in this region is tsampa made of corn, which is made into a paste with butter tea or milk or beer, and then eaten. The Tibetans make a special cult of tsampa and have many ways of preparing it. We soon got accustomed to it, but never cared much for butter tea, which is usually made with rancid butter and is generally repugnant to Europeans. It is, however, universally drunk and appreciated by the Tibetans, who often drink as many as sixty cups in a day. The Tibetans of Kyirong, besides butter tea and tsampa, eat rice, buckwheat, maize, potatoes, turnips, onions, beans and radishes. Meat is a rarity, for as Kyirong is a particularly holy place no animal is ever slaughtered there. Meat appeared on the table only when it had been brought in from another district or, more often, when bears or panthers left part of their prey uneaten.

Sub questions

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Question Number : 76 Question Id : 1626531905 Question 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 an extract from:

Options :

1. ✖ a biography

2. ✖ an article

3. ✖ a report

4. ✔ a travelogue

Question Number : 77 Question Id : 1626531906 Question 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 I can choose where to pass the evening of my life, it will be in Kyirong." The narrator fell in love with Kyirong village mainly because:

Options :

1. ✖ the name of the village meant 'village of happiness'

2. ✖ the temperatures never fell below -10 degrees centigrade

3. ✔ the place was almost like his own village in Europe

4. ✖ they didn't have to spend much for their daily needs

Question Number : 78 Question Id : 1626531907 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Match the words with their meaning.

a. yearning	1. nauseating
b. quartered	2. lodged
c. repugnant	3. longing

Options :

1. ✖ a-2, b-1, c-3

2. ✖ a-2, b-3, c-1

3. ✔ a-3, b-2, c-1

4. ✖ a-1, b-3, c-2

Question Number : 79 Question Id : 1626531908 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

From which sentence can it be inferred that the narrator and his companion were mountaineers?

Options :

1. ✔ In the summer, there is a row of 20,000-footers to climb.

2. ✖ One can go skiing the whole year round.

3. ✖ The temperature seldom falls below -10 degrees centigrade.

4. ✖ The whole of the village might have been transplanted from the Alps.

Question Number : 80 Question Id : 1626531909 Question 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 foods was the narrator not able to relish?

Options :

1. ✖ Tsampa

2. ✔ Butter tea

3. ✖ Meat

4. ✖ Milk and beer

Question Id : 1626531904 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (76 to 80)

Question Label : Comprehension

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Read the following passage and answer the questions.

THE NAME KYIRONG means "the village of happiness." I shall never cease thinking of this place with yearning, and if I can choose where to pass the evening of my life, it will be in Kyirong. When we arrived in January, the temperature was just below freezing; it seldom falls below -10 degrees centigrade. The seasons correspond to what we have in the Alps, but the vegetation is subtropical. One can go skiing the whole year round, and in the summer, there is a row of 20,000-footers to climb.

There are about eighty houses in the village, which is the seat of two district governors who administer thirty villages. We were told that we were the first Europeans who had ever come to Kyirong, and the inhabitants watched our entry with astonishment. We were quartered in the house of a farmer, which reminded me of our Austrian houses. As a matter of fact, the whole of the village might have been transplanted from the Alps, except that instead of chimneys the roofs of the houses were decorated with prayer flags.

On the ground floor were the stables for cows and horses. They were separated by a thick ceiling from the living rooms of the family, which are approached by a ladder from the courtyard. Thick stuffed mattresses served as beds and easy chairs, and near them were small, low tables. The members of the household kept their clothes in brightly painted wardrobes, and before the inevitable carved wooden altar, butter lamps were burning. In winter the whole family sat on the clean floorboards around a huge open log fire and sip their tea.

The room in which Aufschnaiter and I were put was rather small, so I soon shifted to the hay barn next door. Aufschnaiter carried on our unceasing struggle with rats and bugs, while I had to cope with mice and fleas. I never got the better of the vermin, but the view over glaciers and rhododendron forests made up for my discomfort. We had a fireplace in our room and were given wood to burn. We spent very little money; our provisions did not cost us more than £2 10s. a month each.

The staple food in this region is tsampa made of corn, which is made into a paste with butter tea or milk or beer, and then eaten. The Tibetans make a special cult of tsampa and have many ways of preparing it. We soon got accustomed to it, but never cared much for butter tea, which is usually made with rancid butter and is generally repugnant to Europeans. It is, however, universally drunk and appreciated by the Tibetans, who often drink as many as sixty cups in a day. The Tibetans of Kyirong, besides butter tea and tsampa, eat rice, buckwheat, maize, potatoes, turnips, onions, beans and radishes. Meat is a rarity, for as Kyirong is a particularly holy place no animal is ever slaughtered there. Meat appeared on the table only when it had been brought in from another district or, more often, when bears or panthers left part of their prey uneaten.

Sub questions

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Question Number : 76 Question Id : 1626531905 Question 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 an extract from:

Options :

1. ✖ a biography

2. ✖ an article

3. ✖ a report

4. ✔ a travelogue

Question Number : 77 Question Id : 1626531906 Question 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 I can choose where to pass the evening of my life, it will be in Kyirong." The narrator fell in love with Kyirong village mainly because:

Options :

1. ✖ the name of the village meant 'village of happiness'

2. ✖ the temperatures never fell below -10 degrees centigrade

3. ✔ the place was almost like his own village in Europe

4. ✖ they didn't have to spend much for their daily needs

Question Number : 78 Question Id : 1626531907 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Match the words with their meaning.

a. yearning	1. nauseating
b. quartered	2. lodged
c. repugnant	3. longing

Options :

1. ✖ a-2, b-1, c-3

2. ✖ a-2, b-3, c-1

3. ✔ a-3, b-2, c-1

4. ✖ a-1, b-3, c-2

Question Number : 79 Question Id : 1626531908 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

From which sentence can it be inferred that the narrator and his companion were mountaineers?

Options :

1. ✔ In the summer, there is a row of 20,000-footers to climb.

2. ✖ One can go skiing the whole year round.

3. ✖ The temperature seldom falls below -10 degrees centigrade.

4. ✖ The whole of the village might have been transplanted from the Alps.

Question Number : 80 Question Id : 1626531909 Question 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 foods was the narrator not able to relish?

Options :

1. ✖ Tsampa

2. ✔ Butter tea

3. ✖ Meat

4. ✖ Milk and beer

General Hindi

Group Number :	5
Group Id :	16265395
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No

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

General Hindi

Section Id :	16265395
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:	162653125
Question Shuffling Allowed :	Yes

Question Number : 81 Question Id : 1626531910 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

ऊष्म वर्णों वाला वर्ग कौन सा है?

Options :

1. ✖ क ज भ

2. ✖ य त द

3. ✔ श ष स

4. ✖ ल र व

Question Number : 81 Question Id : 1626531910 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

ऊष्म वर्णों वाला वर्ग कौन सा है?

Options :

1. ✖ क ज भ

2. ✖ य त द

3. ✔ श ष स

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4. ✖ ल र व

Question Number : 82 Question Id : 1626531911 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

कंठ से उच्चरित होने वाले वर्ण कौन से वर्ग में हैं?

Options :

1. ✔ अ ख घ ह

2. ✖ च ग य श

3. ✖ ट ष र ड

4. ✖ ल ओ न श

Question Number : 82 Question Id : 1626531911 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

कंठ से उच्चरित होने वाले वर्ण कौन से वर्ग में हैं?

Options :

1. ✔ अ ख घ ह

2. ✖ च ग य श

3. ✖ ट ष र ड

4. ✖ ल ओ न श

Question Number : 83 Question Id : 1626531912 Question 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 अशुद्ध है?

Options :

1. ✖ व्याकुल

2. ✔ साम्यता

3. ✖ सौख्य

4. ✖ अपराध

Question Number : 83 Question Id : 1626531912 Question 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 अशुद्ध है?

Options :

1. ✖ व्याकुल

2. ✔ साम्यता

3. ✖ सौख्य

4. ✖ अपराध

Question Number : 84 Question Id : 1626531913 Question 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 कालेज जाऊँगा।' - यह वाक्य किस काल का है?

Options :

1. ✖ भूत

2. ✔ भविष्य

3. ✖ वर्तमान

4. ✖ अपूर्ण भूत

Question Number : 84 Question Id : 1626531913 Question 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 कालेज जाऊँगा।' - यह वाक्य किस काल का है?

Options :

1. ✖ भूत

2. ✔ भविष्य

3. ✖ वर्तमान

4. ✖ अपूर्ण भूत

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Question Number : 85 Question Id : 1626531914 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'कानों सुनी बात सच्ची नहीं है।' - वाक्य के रेखांकित पद में कारक है:

Options :

1. ✖ कर्ता

2. ✖ कर्म

3. ✔ करण

4. ✖ अधिकरण

Question Number : 85 Question Id : 1626531914 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'कानों सुनी बात सच्ची नहीं है।' - वाक्य के रेखांकित पद में कारक है:

Options :

1. ✖ कर्ता

2. ✖ कर्म

3. ✔ करण

4. ✖ अधिकरण

Question Number : 86 Question Id : 1626531915 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'जगदीश' शब्द बना है:

Options :

1. ✖ जग + दीश से

2. ✖ जगद + ईश से

3. ✔ जगत् + ईश से

4. ✖ जगदी + श से

Question Number : 86 Question Id : 1626531915 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'जगदीश' शब्द बना है:

Options :

1. ✗ जग + दीश से

2. ✗ जगद + ईश से

3. ✓ जगत् + ईश से

4. ✗ जगदी + श से

Question Number : 87 Question Id : 1626531916 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'नीलगाय' शब्द में कौन सा समास है?

Options :

1. ✗ द्वंद्व

2. ✗ अव्ययीभाव

3. ✗ द्विगु

4. ✓ कर्मधारय

Question Number : 87 Question Id : 1626531916 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'नीलगाय' शब्द में कौन सा समास है?

Options :

1. ✗ द्वंद्व

2. ✗ अव्ययीभाव

3. ✗ द्विगु

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4. ✔ कर्मधारय

Question Number : 88 Question Id : 1626531917 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'प्रत्याशी' शब्द में उपसर्ग है:

Options :

1. ✖ प्र

2. ✖ प्रा

3. ✔ प्रति

4. ✖ परा

Question Number : 88 Question Id : 1626531917 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'प्रत्याशी' शब्द में उपसर्ग है:

Options :

1. ✖ प्र

2. ✖ प्रा

3. ✔ प्रति

4. ✖ परा

Question Number : 89 Question Id : 1626531918 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'कडवाहट' शब्द में कौन सा प्रत्यय है?

Options :

1. ✖ ट

2. ✖ हट

3. ✔ आहट

4. ✖ वाहट

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Question Number : 89 Question Id : 1626531918 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'कडवाहट' शब्द में कौन सा प्रत्यय है?

Options :

1. ✖ ट

2. ✖ हट

3. ✔ आहट

4. ✖ वाहट

Question Number : 90 Question Id : 1626531919 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

विशेषण रूप में प्रयुक्त होने वाला शब्द है:

Options :

1. ✔ ममेरा

2. ✖ बहन

3. ✖ अमरुद

4. ✖ भवन

Question Number : 90 Question Id : 1626531919 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

विशेषण रूप में प्रयुक्त होने वाला शब्द है:

Options :

1. ✔ ममेरा

2. ✖ बहन

3. ✖ अमरुद

4. ✖ भवन

Question Number : 91 Question Id : 1626531920 Question 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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तत्सम शब्द कौन सा है?

Options :

1. ✔ विद्यार्थी

2. ✖ जमीन

3. ✖ बात-चीत

4. ✖ साँकल

Question Number : 91 Question Id : 1626531920 Question 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. ✔ विद्यार्थी

2. ✖ जमीन

3. ✖ बात-चीत

4. ✖ साँकल

Question Number : 92 Question Id : 1626531921 Question 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. ✖ श्रृंखला

2. ✖ विश्वास

3. ✖ धार्मिक

4. ✔ साँकल

Question Number : 92 Question Id : 1626531921 Question 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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तद्भव शब्द कौन सा है?

Options :

1. ✖ श्रृंखला

2. ✖ विश्वास

3. ✖ धार्मिक

4. ✔ साँकल

Question Number : 93 Question Id : 1626531922 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'जीने की इच्छा' - इस वाक्यांश के लिए शब्द होगा:

Options :

1. ✖ जिज्ञासा

2. ✔ जिजीविषा

3. ✖ जिगीषा

4. ✖ दीर्घायुष्य

Question Number : 93 Question Id : 1626531922 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'जीने की इच्छा' - इस वाक्यांश के लिए शब्द होगा:

Options :

1. ✖ जिज्ञासा

2. ✔ जिजीविषा

3. ✖ जिगीषा

4. ✖ दीर्घायुष्य

Question Number : 94 Question Id : 1626531923 Question 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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'विधि' शब्द का विलोम होता है:

Options :

1. ✖ संधि

2. ✖ विधान

3. ✔ निषेध

4. ✖ विधाता

Question Number : 94 Question Id : 1626531923 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'विधि' शब्द का विलोम होता है:

Options :

1. ✖ संधि

2. ✖ विधान

3. ✔ निषेध

4. ✖ विधाता

Question Number : 95 Question Id : 1626531924 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'सुवर्ण' शब्द का पर्यायवाची नहीं है:

Options :

1. ✖ कनक

2. ✖ कंचन

3. ✖ हेम

4. ✔ रजत

Question Number : 95 Question Id : 1626531924 Question 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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'सुवर्ण' शब्द का पर्यायवाची नहीं है:

Options :

1. ✖ कनक

2. ✖ कंचन

3. ✖ हेम

4. ✔ रजत

Question Number : 96 Question Id : 1626531925 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

फूल शब्द का बहुवचन (अविभक्तिक) होगा:

Options :

1. ✖ फूलो

2. ✖ फूलों

3. ✖ फूलें

4. ✔ फूल

Question Number : 96 Question Id : 1626531925 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

फूल शब्द का बहुवचन (अविभक्तिक) होगा:

Options :

1. ✖ फूलो

2. ✖ फूलों

3. ✖ फूलें

4. ✔ फूल

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Question Number : 97 Question Id : 1626531926 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सकर्मक वाच्य वाला वाक्य कौन सा है?

Options :

1. ✔ छात्रों को छुट्टी दी गई।

2. ✖ नानी कहानी सुनती थी।

3. ✖ इस गरमी में सोया नहीं जाता।

4. ✖ लड़के बाहर सो रहे हैं।

Question Number : 97 Question Id : 1626531926 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सकर्मक वाच्य वाला वाक्य कौन सा है?

Options :

1. ✔ छात्रों को छुट्टी दी गई।

2. ✖ नानी कहानी सुनती थी।

3. ✖ इस गरमी में सोया नहीं जाता।

4. ✖ लड़के बाहर सो रहे हैं।

Question Number : 98 Question Id : 1626531927 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'पगड़ी उतारना' मुहावरे का अर्थ है:

Options :

1. ✔ अपमान करना

2. ✖ सम्मान करना

3. ✖ बात न मानना

4. ✖ जिद्दी हो जाना

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Question Number : 98 Question Id : 1626531927 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'पगड़ी उतारना' मुहावरे का अर्थ है:

Options :

1. ✔ अपमान करना

2. ✖ सम्मान करना

3. ✖ बात न मानना

4. ✖ जिद्दी हो जाना

Question Number : 99 Question Id : 1626531928 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'बुरे कर्मों का फल अच्छा नहीं हो सकता' - इस आशय के लिए लोकोक्ति है:

Options :

1. ✖ माया को माया मिली कर-कर लंबे हाथ

2. ✔ बोया पेड़ बबूल का आम कहाँ से होय

3. ✖ दूध का दूध पानी का पानी

4. ✖ लेना एक न देना दो

Question Number : 99 Question Id : 1626531928 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'बुरे कर्मों का फल अच्छा नहीं हो सकता' - इस आशय के लिए लोकोक्ति है:

Options :

1. ✖ माया को माया मिली कर-कर लंबे हाथ

2. ✔ बोया पेड़ बबूल का आम कहाँ से होय

3. ✖ दूध का दूध पानी का पानी

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4. ✖ लेना एक न देना दो

Question Number : 100 Question Id : 1626531929 Question 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 वाक्य ग़लत है?

Options :

1. ✖ जो करेगा सो भरेगा।

2. ✖ आप इधर आ जाइए।

3. ✔ उसने अपनी बात सप्रमाण सहित कही।

4. ✖ सुनो, यह काम कर दो।

Question Number : 100 Question Id : 1626531929 Question 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 वाक्य ग़लत है?

Options :

1. ✖ जो करेगा सो भरेगा।

2. ✖ आप इधर आ जाइए।

3. ✔ उसने अपनी बात सप्रमाण सहित कही।

4. ✖ सुनो, यह काम कर दो।

Subject Related

Group Number :	6
Group Id :	16265396
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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Subject Related

Section Id :	16265396
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:	162653126
Question Shuffling Allowed :	Yes

Question Number : 101 Question Id : 1626531930 Question 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 applying Euclid's division lemma, the cube of any positive integer is of the form:

Options :

1. ✖ 9 m, 9 m + 2 or 9 m + 7

2. ✖ 9 m, 9 m + 3 or 9 m + 6

3. ✖ 9 m, 9 m + 4 or 9 m + 5

4. ✔ 9 m, 9 m + 1 or 9 m + 8

Question Number : 101 Question Id : 1626531930 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

यूक्लिडीय विभाजन प्रमेयिका का प्रयोग करने पर, किसी भी धनात्मक पूर्णांक का घन का रूप होगा:

Options :

1. ✖ 9 m, 9 m + 2 या 9 m + 7

2. ✖ 9 m, 9 m + 3 या 9 m + 6

3. ✖ 9 m, 9 m + 4 या 9 m + 5

4. ✔ 9 m, 9 m + 1 या 9 m + 8

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Question Number : 102 Question Id : 1626531931 Question 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 any positive integers 'a' and 3, there exist unique integers 'q' and ' r' such that a = 3q + r, where r must satisfy:

Options :

1. ✗ $0 < r \leq 3$

2. ✗ $1 < r < 3$

3. ✓ $0 \leq r < 3$

4. ✗ $0 < r < 3$

Question Number : 102 Question Id : 1626531931 Question 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 धनात्मक पूर्णांक 'a' और 3 के लिए, 'q' और 'r' विशिष्ट पूर्णांक हैं जहाँ a = 3q + r, और जहाँ r निम्नलिखित शर्त को पूरा करता है:

Options :

1. ✗ $0 < r \leq 3$

2. ✗ $1 < r < 3$

3. ✓ $0 \leq r < 3$

4. ✗ $0 < r < 3$

Question Number : 103 Question Id : 1626531932 Question 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 least value of n, the natural number $(24)^n$ is divisible by 8?

Options :

1. ✗ -1

2. ✗ 0

3. ✓ 1

4. ✗ No value of n is possible

Question Number : 103 Question Id : 1626531932 Question 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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प्राकृत संख्या $(24)^n$ के 8 से विभाजित होने के लिए n का न्यूनतम मान क्या होगा?

Options :

1. ✖ -1

2. ✖ 0

3. ✔ 1

4. ✖ n का कोई मान संभव नहीं है

Question Number : 104 Question Id : 1626531933 Question 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 4052 and 12576 is:

Options :

1. ✖ 2

2. ✖ 3

3. ✔ 4

4. ✖ 6

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Question Number : 104 Question Id : 1626531933 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

4052 और 12576 का महत्तम समापवर्तक _____ है।

Options :

1. ✖ 2

2. ✖ 3

3. ✔ 4

4. ✖ 6

Question Number : 105 Question Id : 1626531934 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The decimal expansion of number $\frac{441}{2^2 \times 5^3 \times 7}$ ____.

Options :

1. ✖ terminates after two places of decimal

2. ✖ is non-terminating and non-repeating

3. ✖ is non-terminating but repeating

4. ✔ has a terminating decimal

Question Number : 105 Question Id : 1626531934 Question 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 $\frac{441}{2^2 \times 5^3 \times 7}$ का दशमलव प्रसार _____।

Options :

1. ✖ दशमलव के दो स्थानों के बाद समाप्त होगा

2. ✖ अनवसानी और अनावर्ती होगा

3. ✖ अनवसानी लेकिन आवर्ती होगा

4. ✔ अवसानी दशमलव होगा

Question Number : 106 Question Id : 1626531935 Question 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 number $2.\overline{35}$ is:

Options :

1. ✔ a rational number

2. ✖ an irrational number

3. ✖ a prime number

4. ✖ a rational number and a prime number

Question Number : 106 Question Id : 1626531935 Question 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 $2.\overline{35}$ _____ है।

Options :

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1. ✔ एक परिमेय संख्या

2. ✖ एक अपरिमेय संख्या

3. ✖ एक अभाज्य संख्या

4. ✖ एक परिमेय संख्या और एक अभाज्य संख्या

Question Number : 107 Question Id : 1626531936 Question 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 statements is true?

Options :

1. ✖ A number n is odd if and only if n(n + 1) is even

2. ✖ A number is irrational if and only if its square is irrational.

3. ✔ An integer n is odd if and only if $n^2 + 2n$ is odd.

4. ✖ A number is rational if and only if its square is rational.

Question Number : 107 Question Id : 1626531936 Question 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 सत्य है?

Options :

1. ✖ कोई संख्या केवल तभी विषम होगी जब n(n + 1) सम होगा।

2. ✖ कोई संख्या केवल तभी अपरिमेय होगी जब उसका वर्ग अपरिमेय होगा।

3. ✔ कोई पूर्णांक केवल तभी विषम होगा जब $n^2 + 2n$ विषम होगा।

4. ✖ कोई संख्या केवल तभी परिमेय होगी जब उसका वर्ग परिमेय होगा।

Question Number : 108 Question Id : 1626531937 Question 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 order of 2 modulo 101 is:

Options :

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1. ✖ 97

2. ✖ 98

3. ✖ 99

4. ✔ 100

Question Number : 108 Question Id : 1626531937 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

2 मापांक 101 का क्रम _____ है।

Options :

1. ✖ 97

2. ✖ 98

3. ✖ 99

4. ✔ 100

Question Number : 109 Question Id : 1626531938 Question 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 Euclidean Algorithm is used to produce a sequence $X_1 > X_2 > X_3 > X_4 > X_5 = 0$ of positive integers where $X_t = q_{t+1}X_{t+1} + X_{t+2}, t = 1,2,3$. The quotients are $q_2 = 3, q_3 = 2,$ and $q_4 = 2$. Which of the following is correct?

Options :

1. ✖ $\gcd(X_1, X_2) = -2X_1 - 6X_2$

2. ✔ $\gcd(X_1, X_2) = -2X_1 + 7X_2$

3. ✖ $\gcd(X_1, X_2) = 2X_1 + 7X_2$

4. ✖ $\gcd(X_1, X_2) = -2X_1 + 6X_2$

Question Number : 109 Question Id : 1626531938 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

यूक्लिडियन अल्गोरिथम का प्रयोग धनात्मक पूर्णांक की एक श्रेणी $X_1 > X_2 > X_3 > X_4 > X_5 = 0$ उत्पन्न करने के लिए किया जाता है जहाँ $X_t = q_{t+1}X_{t+1} + X_{t+2}, t = 1,2,3$ । उनके भागफल $q_2 = 3, q_3 = 2,$ तथा $q_4 = 2$ हैं। निम्नलिखित में से कौन सा सत्य है?

Options :

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1. ✖ $\gcd(X_1, X_2) = -2X_1 - 6X_2$

2. ✔ $\gcd(X_1, X_2) = -2X_1 + 7X_2$

3. ✖ $\gcd(X_1, X_2) = 2X_1 + 7X_2$

4. ✖ $\gcd(X_1, X_2) = -2X_1 + 6X_2$

Question Number : 110 Question Id : 1626531939 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

For a positive integer n, by using Chinese Remainder Theorem, the number of solutions of the congruence $x^2 \equiv 1 (\mod n)$, when $e \geq 3$ is:

Options :

1. ✖ 2^k

2. ✖ $2^k + 1$

3. ✖ 2^{k+1}

4. ✔ 2^{k+2}

Question Number : 110 Question Id : 1626531939 Question 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 धनात्मक पूर्णांक n के लिए, चीनी शेष प्रमेय का प्रयोग करते हुए, जब $e \geq 3$, समशेषता $x^2 \equiv 1 (\mod n)$ का हल _____ है।

Options :

1. ✖ 2^k

2. ✖ $2^k + 1$

3. ✖ 2^{k+1}

4. ✔ 2^{k+2}

Question Number : 111 Question Id : 1626531940 Question 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' is a prime, then the congruence $x^2 + 1 \equiv 0 (\mod p)$ has a solution if and only if:

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Options :

1. ✖ $p = -2 \text{ or } p \equiv 2 (\text{mod } 3)$

2. ✖ $p = 1 \text{ or } p \equiv 1 (\text{mod } 3)$

3. ✖ $p \neq 2 \text{ or } p \equiv 1 (\text{mod } 2)$

4. ✔ $p = 2 \text{ or } p \equiv 1 (\text{mod } 4)$

Question Number : 111 Question Id : 1626531940 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर 'p' अभाज्य है, तो समशेषता $x^2 + 1 \equiv 0 (\text{mod } p)$ का हल केवल तभी होगा जब:

Options :

1. ✖ $p = -2$ या $p \equiv 2 (\text{mod } 3)$

2. ✖ $p = 1$ या $p \equiv 1 (\text{mod } 3)$

3. ✖ $p \neq 2$ या $p \equiv 1 (\text{mod } 2)$

4. ✔ $p = 2$ या $p \equiv 1 (\text{mod } 4)$

Question Number : 112 Question Id : 1626531941 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Wilson's Theorem states that if 'p' is a prime, then:

Options :

1. ✖ $(p - 1) = -1 (\text{mod } p)$

2. ✖ $p! = -1 (\text{mod } p)$

3. ✔ $(p - 1)! = -1 (\text{mod } p)$

4. ✖ $(p - 1)! = -2 (\text{mod } p)$

Question Number : 112 Question Id : 1626531941 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

विल्सन के प्रमेय के अनुसार अगर 'p' अभाज्य है तो:

Options :

1. ✗ $(p-1) = -1 (\text{mod } p)$

2. ✗ $p! = -1 (\text{mod } p)$

3. ✓ $(p-1)! = -1 (\text{mod } p)$

4. ✗ $(p-1)! = -2 (\text{mod } p)$

Question Number : 113 Question Id : 1626531942 Question 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 matrix representation of T on R^2 defined by $T(x,y) = (2y, 3x-y)$ relative to the basis $\{(1,3),(2,5)\}$ is:

Options :

1. ✓ $\begin{pmatrix} -30 & -48 \\ 18 & 29 \end{pmatrix}$

2. ✗ $\begin{pmatrix} -31 & -48 \\ 18 & 29 \end{pmatrix}$

3. ✗ $\begin{pmatrix} -30 & -48 \\ 19 & 29 \end{pmatrix}$

4. ✗ $\begin{pmatrix} -30 & -47 \\ 18 & 29 \end{pmatrix}$

Question Number : 113 Question Id : 1626531942 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$T(x,y) = (2y, 3x-y)$ द्वारा परिभाषित और मूल $\{(1,3),(2,5)\}$ से सम्बंधित, R^2 पर T का आव्यूह निरूपण _____ है।

Options :

1. ✓ $\begin{pmatrix} -30 & -48 \\ 18 & 29 \end{pmatrix}$

2. ✗ $\begin{pmatrix} -31 & -48 \\ 18 & 29 \end{pmatrix}$

3. ✗ $\begin{pmatrix} -30 & -48 \\ 19 & 29 \end{pmatrix}$

4. ✗ $\begin{pmatrix} -30 & -47 \\ 18 & 29 \end{pmatrix}$

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Question Number : 114 Question Id : 1626531943 Question 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 α, the vectors $(0, 0, 1, 0)$, $(\alpha, 0, 0, 8)$, $(2, 0, 0, \alpha)$ and $(1, 2, 9, 8)$ are linearly independent?

Options :

1. ✖ ± 2

2. ✔ ± 4

3. ✖ 3

4. ✖ -1

Question Number : 114 Question Id : 1626531943 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

α के किस मान के लिए, सदिश $(0, 0, 1, 0)$, $(\alpha, 0, 0, 8)$, $(2, 0, 0, \alpha)$ तथा $(1, 2, 9, 8)$ रैखिक रूप से स्वतंत्र हैं?

Options :

1. ✖ ± 2

2. ✔ ± 4

3. ✖ 3

4. ✖ -1

Question Number : 115 Question Id : 1626531944 Question 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 λ for which the system of equations $2x - y - z = 2$, $x - 2y + z = -4$, $x + y + \lambda z = 4$ has no solution, is:

Options :

1. ✖ 3

2. ✖ -3

3. ✔ -2

4. ✖ 0

Question Number : 115 Question Id : 1626531944 Question 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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λ का मान जिसके लिए समीकरण प्रणाली $2x-y-z=2, x-2y+z=-4, x+y+\lambda z=4$ का कोई हल नहीं है:

Options :

1. ✖ 3

2. ✖ -3

3. ✔ -2

4. ✖ 0

Question Number : 116 Question Id : 1626531945 Question 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 W be the set of all triples (x_1, x_2, x_3) of real numbers that satisfy the equation $2x_1 - x_2 + 3x_3 = k$. If W is to be a vector space, then the value of k is:

Options :

1. ✔ 0

2. ✖ 1

3. ✖ 2

4. ✖ -1

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Question Number : 116 Question Id : 1626531945 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

मान लें, W सभी वास्तविक संख्याओं के ट्रिपल्स (x_1, x_2, x_3) का समुच्चय है जो समीकरण $2x_1 - x_2 + 3x_3 = k$ को संतुष्ट करता है। अगर W एक सदिश क्षेत्र है, तो k का मान _____ होगा।

Options :

1. ✔ 0

2. ✖ 1

3. ✖ 2

4. ✖ -1

Question Number : 117 Question Id : 1626531946 Question 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 of vectors $x = (x_1, x_2, x_3)$ and R^3 is a subspace of R^3 ?

Options :

1. ✖ all x such that $x_1 \geq 0$

2. ✔ all x such that $x_1 + 3x_2 = x_3$

3. ✖ all x such that $x_2 = {x_1}^2$

4. ✖ all x such that x_2 is rational

Question Number : 117 Question Id : 1626531946 Question 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 में सदिशों $x = (x_1, x_2, x_3)$ का निम्नलिखित में से कौन समुच्चय R^3 का उपक्षेत्र है?

Options :

1. ✖ सभी x इस प्रकार कि $x_1 \geq 0$

2. ✔ सभी x इस प्रकार कि $x_1 + 3x_2 = x_3$

3. ✖ सभी x इस प्रकार कि $x_2 = {x_1}^2$

4. ✖ सभी x इस प्रकार कि x_2 परिमेय है

Question Number : 118 Question Id : 1626531947 Question 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 operator T on R^3 defined by $T(x,y,z) = (x - y, 2x + 3y + 2z, x + y + 2z)$, all eigenvalues and a basis for each eigenspace as

Options :

1. ✔ $\lambda_1 = 1, (1,0,-1); \lambda_2 = 2, (2,-2,-1); \lambda_3 = 3, (1,-2,-1)$

2. ✖ $\lambda_1 = 1, (1,0,-1); \lambda_2 = 2, (2,2,-1); \lambda_3 = 3, (1,-2,1)$

3. ✖ $\lambda_1 = 1, (1,0,1); \lambda_2 = 2, (2,-2,1); \lambda_3 = 3, (1,-2,-1)$

4. ✖ $\lambda_1 = 1, (1,1,-1); \lambda_2 = 2, (2,-2,-1); \lambda_3 = 3, (1,-2,-1)$

Question Number : 118 Question Id : 1626531947 Question 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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R^3 पर $T(x,y,z) = (x-y, 2x+3y+2z, x+y+2z)$ के रूप में परिभाषित एक संक्रियक संकारक T के लिए, सभी आइजेन मान और हर आइजेन क्षेत्र का आधार है:

Options :

1. ✔ $\lambda_1 = 1, (1,0,-1); \lambda_2 = 2, (2,-2,-1); \lambda_3 = 3, (1,-2,-1)$

2. ✖ $\lambda_1 = 1, (1,0,-1); \lambda_2 = 2, (2,2,-1); \lambda_3 = 3, (1,-2,1)$

3. ✖ $\lambda_1 = 1, (1,0,1); \lambda_2 = 2, (2,-2,1); \lambda_3 = 3, (1,-2,-1)$

4. ✖ $\lambda_1 = 1, (1,1,-1); \lambda_2 = 2, (2,-2,-1); \lambda_3 = 3, (1,-2,-1)$

Question Number : 119 Question Id : 1626531948 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Let A denote the set of all polynomials P(x) of degree less than or equal to 2 such that $P(1) = 1$, $P(0) = 0$ and $P'(x) > 0$ for all $x \in [0,1]$. Then:

Options :

1. ✖ $A = \{(1-a)x^2 + ax : a \in (0,1)\}$

2. ✖ $A = \{(1-a)x^2 + ax : a \in (0,\infty)\}$

3. ✖ A is empty

4. ✔ $A = \{(1-a)x^2 + ax : a \in (0,2)\}$

Question Number : 119 Question Id : 1626531948 Question 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, जिन की घात 2 से कम या और उस के बराबर है, ऐसे सभी बहुपदीय समुच्चयों P(x) को इस प्रकार दर्शाता है जिस से, सभी $x \in [0,1]$ के लिए $P(1) = 1$, $P(0) = 0$ और $P'(x) > 0$ तो:

Options :

1. ✖ $A = \{(1-a)x^2 + ax : a \in (0,1)\}$

2. ✖ $A = \{(1-a)x^2 + ax : a \in (0,\infty)\}$

3. ✖ A खाली है

4. ✔ $A = \{(1-a)x^2 + ax : a \in (0,2)\}$

Question Number : 120 Question Id : 1626531949 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If two zeroes of the polynomial $x^4 - 6x^3 - 26x^2 + 138x - 35$ are $2 \pm \sqrt{3}$, then other zeroes are:

Options :

1. ✖ 3 and –10

2. ✔ 7 and –5

3. ✖ 5 and 8

4. ✖ 2 and 5

Question Number : 120 Question Id : 1626531949 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर बहुपद $x^4 - 6x^3 - 26x^2 + 138x - 35$ के दो शून्यक $2 \pm \sqrt{3}$ हैं, तो अन्य शून्यक _____ हैं।

Options :

1. ✖ 3 और –10

2. ✔ 7 और –5

3. ✖ 5 और 8

4. ✖ 2 और 5

Subject Related

Group Number :	7
Group Id :	16265397
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 :	16265397
Section Number :	1

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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:	162653127
Question Shuffling Allowed :	Yes

Question Number : 121 Question Id : 1626531950 Question 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 two of the zeroes of the cubic polynomial $ax^3 + bx^2 + cx + d$ are 0, then the third zero is:

Options :

1. ✖ $\frac{c}{a}$

2. ✖ $\frac{b}{a}$

3. ✖ $\frac{-d}{a}$

4. ✔ $\frac{-b}{a}$

Question Number : 121 Question Id : 1626531950 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर त्रिघात बहुपदों $ax^3 + bx^2 + cx + d$ के शून्यकों में से दो शून्यक 0 हैं, तो तीसरा शून्यक _____ है।

Options :

1. ✖ $\frac{c}{a}$

2. ✖ $\frac{b}{a}$

3. ✖ $\frac{-d}{a}$

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4. ✔ $\frac{-b}{a}$

Question Number : 122 Question Id : 1626531951 Question 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 zeroes of the quadratic polynomial, the sum and product of whose zeroes are $\sqrt{2}$ and $\frac{-3}{2}$, respectively, are:

Options :

1. ✔ $\frac{-1}{\sqrt{2}}, \frac{3}{\sqrt{2}}$

2. ✖ $\frac{1}{\sqrt{2}}, \frac{-2}{\sqrt{3}}$

3. ✖ $\frac{-1}{\sqrt{2}}, \frac{-3}{\sqrt{2}}$

4. ✖ $\frac{-1}{\sqrt{2}}, \frac{\sqrt{3}}{2}$

Question Number : 122 Question Id : 1626531951 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

द्विघातीय बहुपद के शून्यक, जिनके शून्यकों का योग और गुणनफल क्रमशः $\sqrt{2}$ तथा $\frac{-3}{2}$ हैं, वे _____ हैं।

Options :

1. ✔ $\frac{-1}{\sqrt{2}}, \frac{3}{\sqrt{2}}$

2. ✖ $\frac{1}{\sqrt{2}}, \frac{-2}{\sqrt{3}}$

3. ✖ $\frac{-1}{\sqrt{2}}, \frac{-3}{\sqrt{2}}$

4. ✖ $\frac{-1}{\sqrt{2}}, \frac{\sqrt{3}}{2}$

Question Number : 123 Question Id : 1626531952 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

If α, β, γ are zeroes of cubic polynomial $kx^3 - 5x + 9$, and if $\alpha^3 + \beta^3 + \gamma^3 = 27$, then the value of k is:

Options :

1. ✖ 2

2. ✖ 1

3. ✔ -1

4. ✖ -2

Question Number : 123 Question Id : 1626531952 Question 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, β, γ त्रिघातीय बहुपद $kx^3 - 5x + 9$ के शून्यक हैं, और यदि $\alpha^3 + \beta^3 + \gamma^3 = 27$, तो k का मान _____ है।

Options :

1. ✖ 2

2. ✖ 1

3. ✔ -1

4. ✖ -2

Question Number : 124 Question Id : 1626531953 Question 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 zeroes of the polynomial $x^3 - 3x^2 + x + 1$ are a – b, a and a + b respectively, then the values of 'a' and 'b' are respectively:

Options :

1. ✖ $-1, \sqrt{2}$

2. ✔ $1, \pm\sqrt{2}$

3. ✖ $3, -\sqrt{2}$

4. ✖ $1, \pm\sqrt{\frac{3}{2}}$

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Question Number : 124 Question Id : 1626531953 Question 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 बहुपद $x^3 - 3x^2 + x + 1$ के शून्यक क्रमशः a - b, a तथा a + b हैं, तो 'a' और 'b' का मान क्रमशः _____ है।

Options :

1. ✗ $-1, \sqrt{2}$

2. ✓ $1, \pm\sqrt{2}$

3. ✗ $3, -\sqrt{2}$

4. ✗ $1, \pm\sqrt{\frac{3}{2}}$

Question Number : 125 Question Id : 1626531954 Question 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, the linear equations $(3k+1)x+3y=2, (k^2+1)x+(k-2)y=5$ have no solution?

Options :

1. ✗ 0

2. ✗ 1

3. ✓ -1

4. ✗ 2

Question Number : 125 Question Id : 1626531954 Question 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 लिये, रैखिक समीकरणों $(3k+1)x+3y=2, (k^2+1)x+(k-2)y=5$ का कोई हल नहीं है?

Options :

1. ✗ 0

2. ✗ 1

3. ✓ -1

4. ✗ 2

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Question Number : 126 Question Id : 1626531955 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Reduce the pair of equations $\frac{10}{x+y}+\frac{2}{x-y}=4, \frac{15}{x+y}-\frac{5}{x-y}=-2$ into a pair of linear equations. Then find its solution from the following options:

Options :

1. ✖ $x=-3,\ y=-2$

2. ✖ $x=3,\ y=-2$

3. ✖ $x=-3,\ y=2$

4. ✔ $x=3,\ y=2$

Question Number : 126 Question Id : 1626531955 Question 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 युग्म $\frac{10}{x+y}+\frac{2}{x-y}=4, \frac{15}{x+y}-\frac{5}{x-y}=-2$ को रैखिक समीकरण युग्म में बदलें। फिर निम्नलिखित विकल्पों में से उसका हल निकालें।

Options :

1. ✖ $x=-3,\ y=-2$

2. ✖ $x=3,\ y=-2$

3. ✖ $x=-3,\ y=2$

4. ✔ $x=3,\ y=2$

Question Number : 127 Question Id : 1626531956 Question 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 solution of pair of linear equations $3x-5y=4, 9x-2y=7$ by the substitution method, is:

Options :

1. ✖ $x=\frac{9}{13}, y=\frac{5}{13}$

2. ✖ $x=\frac{-9}{13}, y=\frac{-5}{13}$

3. ✔ $x=\frac{9}{13}, y=\frac{-5}{13}$

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4. ✖ $x = \frac{-9}{13}, y = \frac{5}{13}$

Question Number : 127 Question Id : 1626531956 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

प्रतिस्थापन विधि द्वारा रैखिक समीकरण युग्मों $3x - 5y = 4, 9x - 2y = 7$ का हल _____ है।

Options :

1. ✖ $x = \frac{9}{13}, y = \frac{5}{13}$

2. ✖ $x = \frac{-9}{13}, y = \frac{-5}{13}$

3. ✔ $x = \frac{9}{13}, y = \frac{-5}{13}$

4. ✖ $x = \frac{-9}{13}, y = \frac{5}{13}$

Question Number : 128 Question Id : 1626531957 Question 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 solution of pair of linear equations $\frac{1}{2}x + \frac{2}{3}y = -1, x - \frac{1}{3}y = 3$ by the elimination method, is:

Options :

1. ✖ $x = 2, y = 3$

2. ✔ $x = 2, y = -3$

3. ✖ $x = -2, y = -3$

4. ✖ $x = -2, y = 3$

Question Number : 128 Question Id : 1626531957 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

विलोपन विधि द्वारा रैखिक समीकरण युग्मों $\frac{1}{2}x + \frac{2}{3}y = -1, x - \frac{1}{3}y = 3$ का हल _____ है।

Options :

1. ✖ $x = 2, y = 3$

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2. ✔ $x = 2, y = -3$

3. ✖ $x = -2, y = -3$

4. ✖ $x = -2, y = 3$

Question Number : 129 Question Id : 1626531958 Question 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, the system of linear equations $3x + 4y = 12, x + ky = 4$ has infinitely many solutions?

Options :

1. ✔ $\frac{4}{3}$

2. ✖ $\frac{3}{4}$

3. ✖ $\frac{2}{3}$

4. ✖ $\frac{3}{2}$

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Question Number : 129 Question Id : 1626531958 Question 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 लिए, रैखिक समीकरणों $3x + 4y = 12, x + ky = 4$ की प्रणाली के अनंत अनेक हल हैं?

Options :

1. ✔ $\frac{4}{3}$

2. ✖ $\frac{3}{4}$

3. ✖ $\frac{2}{3}$

4. ✖ $\frac{3}{2}$

Question Number : 130 Question Id : 1626531959 Question 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, the system of linear equations $2x - y = 3, 4x + ky = 4$ has no solution?

Options :

1. ✖ 2

2. ✔ -2

3. ✖ -4

4. ✖ -1

Question Number : 130 Question Id : 1626531959 Question 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 लिए, रैखिक समीकरणों $2x - y = 3, 4x + ky = 4$ की प्रणाली का कोई हल नहीं है?

Options :

1. ✖ 2

2. ✔ -2

3. ✖ -4

4. ✖ -1

Question Number : 131 Question Id : 1626531960 Question 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 solution of $|x^2 - 1| + (x - 1)^2 + \sqrt{x^2 - 3x + 2} = 0$:

Options :

1. ✖ does not exist

2. ✖ -1

3. ✖ 2

4. ✔ 1

Question Number : 131 Question Id : 1626531960 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$|x^2 - 1| + (x - 1)^2 + \sqrt{x^2 - 3x + 2} = 0$ का हल है:

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Options :

1. ✖ नहीं है

2. ✖ –1

3. ✖ 2

4. ✔ 1

Question Number : 132 Question Id : 1626531961 Question 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 train travels 360 km at a uniform speed. If the speed had been 5 km/h more, it would have taken 1 hour less for the same journey, then the speed of the train is:

Options :

1. ✖ 45 km/h

2. ✔ 40 km/h

3. ✖ 30 km/h

4. ✖ 50 km/h

Question Number : 132 Question Id : 1626531961 Question 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 रेलगाड़ी एक समान चाल से 360 km की दूरी तय करती है। यदि गति 5 km/h अधिक होती, तो उसी यात्रा के लिए उसे 1 घंटा कम लगता, तो रेलगाड़ी की चाल _____ है।

Options :

1. ✖ 45 km/h

2. ✔ 40 km/h

3. ✖ 30 km/h

4. ✖ 50 km/h

Question Number : 133 Question Id : 1626531962 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If $x = 2$ is a solution of a quadratic equation $3x^2 - 2kx + 5 = 0$, then value of 'k' is:

Options :

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1. ✖ $\frac{7}{4}$

2. ✖ $\frac{-17}{4}$

3. ✔ $\frac{17}{4}$

4. ✖ $\frac{4}{17}$

Question Number : 133 Question Id : 1626531962 Question 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 द्विघातीय समीकरण $3x^2 - 2kx + 5 = 0$ का हल $x = 2$ है, तो 'k' का मान _____ है।

Options :

1. ✖ $\frac{7}{4}$

2. ✖ $\frac{-17}{4}$

3. ✔ $\frac{17}{4}$

4. ✖ $\frac{4}{17}$

Question Number : 134 Question Id : 1626531963 Question 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 solution of a quadratic equation $\frac{x+1}{x-1} + \frac{x-1}{x+1} = \frac{10}{3}$ is:

Options :

1. ✔ $-2, 2$

2. ✖ $-4, 4$

3. ✖ $-2, 3$

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4. ✖ 2, 4

Question Number : 134 Question Id : 1626531963 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

द्विघातीय समीकरण $\frac{x+1}{x-1}+\frac{x-1}{x+1}=\frac{10}{3}$ का हल _____ है।

Options :

1. ✔ –2, 2

2. ✖ –4, 4

3. ✖ –2, 3

4. ✖ 2, 4

Question Number : 135 Question Id : 1626531964 Question 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 solution of a quadratic equation $x^2+4\sqrt{2}x+6=0$ is:

Options :

1. ✖ $\sqrt{2},\sqrt{18}$

2. ✖ $\sqrt{2},-\sqrt{18}$

3. ✖ $-\sqrt{2},\sqrt{18}$

4. ✔ $-\sqrt{2},-\sqrt{18}$

Question Number : 135 Question Id : 1626531964 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

द्विघातीय समीकरण $x^2+4\sqrt{2}x+6=0$ का हल _____ है।

Options :

1. ✖ $\sqrt{2},\sqrt{18}$

2. ✖ $\sqrt{2},-\sqrt{18}$

3. ✖ $-\sqrt{2},\sqrt{18}$

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4. ✔ $-\sqrt{2}, -\sqrt{18}$

Question Number : 136 Question Id : 1626531965 Question 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 diagonal of a rectangular plot is 60 m more than the shorter side 'b'. If the longer side 'a' is 30 m more than the shorter side, then the size 'a × b' of the plot is:

Options :

1. ✔ 120 m × 90 m

2. ✖ 90 m × 60 m

3. ✖ 180 m × 150 m

4. ✖ 60 m × 30 m

Question Number : 136 Question Id : 1626531965 Question 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 आयताकार भूखंड का विकर्ण छोटी भुजा 'b' से 60 m अधिक है। यदि लम्बी भुजा 'a' छोटी भुजा से 30 m अधिक है, तो भूखंड का माप 'a × b' _____ है।

Options :

1. ✔ 120 m × 90 m

2. ✖ 90 m × 60 m

3. ✖ 180 m × 150 m

4. ✖ 60 m × 30 m

Question Number : 137 Question Id : 1626531966 Question 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 T_r be the r^{th} term of an A.P. for r = 1, 2, 3,…. If for some positive integers m and n, we have $T_m = \frac{1}{n}$ and $T_n = \frac{1}{m}$, then T_{mn} equals:

Options :

1. ✖ 0

2. ✔ 1

3. ✖ $\frac{1}{mn}$

4. ✖ $\left(\frac{1}{m}\right)+\left(\frac{1}{n}\right)$

Question Number : 137 Question Id : 1626531966 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

मान लें, r = 1, 2, 3,...., के लिए T_r समांतर श्रेणी का $r^{वाँ}$ पद है। यदि कुछ दो धनात्मक पूर्णांक m और n के लिए, हमारे पास $T_m = \frac{1}{n}$ और $T_n = \frac{1}{m}$ है, तो T_{mn} के बराबर _____ होगा।

Options :

1. ✖ 0

2. ✔ 1

3. ✖ $\frac{1}{mn}$

4. ✖ $\left(\frac{1}{m}\right)+\left(\frac{1}{n}\right)$

Question Number : 138 Question Id : 1626531967 Question 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 '2n' terms of the A.P. 2, 5, 8, … is equal to the sum of the first 'n' terms of the A.P. 57, 59, 61,….., then 'n' equals:

Options :

1. ✖ 13

2. ✖ 12

3. ✔ 11

4. ✖ 10

Question Number : 138 Question Id : 1626531967 Question 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 सामानांतर श्रेणी 2, 5, 8, ... में पहले '2n' पदों का योग, सामानांतर श्रेणी 57, 59, 61,....., के पहले n पदों के योग के बराबर है, तो 'n' का मान _____ है।

Options :

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1. ✖ 13

2. ✖ 12

3. ✔ 11

4. ✖ 10

Question Number : 139 Question Id : 1626531968 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Sum to 'n' terms of the series $\frac{1}{1.2.3}+\frac{3}{2.3.4}+\frac{5}{3.4.5}+\frac{7}{4.5.6}+\cdots$ is:

Options :

1. ✖ $\frac{n(n+2)}{(n+1)(n+4)}$

2. ✖ $\frac{n(n+1)}{2(n+1)(n+4)}$

3. ✖ $\frac{n(n+2)}{(n+3)(n+4)}$

4. ✔ $\frac{n(3n+1)}{4(n+1)(n+2)}$

Question Number : 139 Question Id : 1626531968 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

श्रृंखला $\frac{1}{1.2.3}+\frac{3}{2.3.4}+\frac{5}{3.4.5}+\frac{7}{4.5.6}+\cdots$ के 'n' पदों का योग _____ होगा।

Options :

1. ✖ $\frac{n(n+2)}{(n+1)(n+4)}$

2. ✖ $\frac{n(n+1)}{2(n+1)(n+4)}$

3. ✖ $\frac{n(n+2)}{(n+3)(n+4)}$

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4. ✔ $\frac{n(3n+1)}{4(n+1)(n+2)}$

Question Number : 140 Question Id : 1626531969 Question 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 manufacturer has 600 L of a 12% solution of acid. How many litres of a 30% acid solution must be added to it such that acid content in the resulting mixture will be more than 15% but less than 18%?

Options :

1. ✖ more than 140 L but less than 320 L

2. ✖ more than 110 L but less than 290 L

3. ✖ more than 220 L but less than 300 L

4. ✔ more than 120 L but less than 300 L

Question Number : 140 Question Id : 1626531969 Question 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 निर्माता के पास 12% एसिड का 600 L घोल है। 30% एसिड घोल के कितने लीटर इसमें शामिल किए जाने चाहिए कि परिणामी मिश्रण में एसिड सामग्री 15% से अधिक हो लेकिन 18% से कम हो?

Options :

1. ✖ 140 L से ज्यादा पर 320 L से कम

2. ✖ 110 L से ज्यादा पर 290 L से कम

3. ✖ 220 L से ज्यादा पर 300 L से कम

4. ✔ 120 L से ज्यादा पर 300 L से कम

Subject Related

Group Number :	8
Group Id :	16265398
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

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Minimum Instruction Time: 0

Subject Related

Section Id :	16265398
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:	162653128
Question Shuffling Allowed :	Yes

Question Number : 141 Question Id : 1626531970 Question 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 must be selected from the set {1, 2, 3, 4, 5, 6} to guarantee that at least one pair of these numbers add up to 7?

Options :

1. ✖ 2

2. ✖ 3

3. ✔ 4

4. ✖ 5

Question Number : 141 Question Id : 1626531970 Question 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, 4, 5, 6} से कितनी संख्याओं का चयन करना चाहिए ताकि निश्चित रूप से इन में से कम से कम एक जोड़े का योग 7 हो?

Options :

1. ✖ 2

2. ✖ 3

3. ✔ 4

4. ✖ 5

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Question Number : 142 Question Id : 1626531971 Question 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 coefficient of $x^{101}y^{99}$ in the expansion of $(2x-3y)^{200}$?

Options :

1. ✖ $\binom{200}{99}2^{101}3^{99}$

2. ✖ $-\binom{101}{99}2^{101}3^{99}$

3. ✖ $\binom{101}{99}2^{101}3^{99}$

4. ✔ $-\binom{200}{99}2^{101}3^{99}$

Question Number : 142 Question Id : 1626531971 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$(2x-3y)^{200}$ के प्रसार में $x^{101}y^{99}$ का गुणांक कितना है?

Options :

1. ✖ $\binom{200}{99}2^{101}3^{99}$

2. ✖ $-\binom{101}{99}2^{101}3^{99}$

3. ✖ $\binom{101}{99}2^{101}3^{99}$

4. ✔ $-\binom{200}{99}2^{101}3^{99}$

Question Number : 143 Question Id : 1626531972 Question 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 solution of the recurrence relation $a_n = 6a_{n-1} - 9a_{n-2}, a_0 = 1, a_1 = 6$ is:

Options :

1. ✖ $a_n = (n-1)3^n$

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2. ✖ $a_n = (1-n)3^n$

3. ✔ $a_n = (1+n)3^n$

4. ✖ $a_n = (1+n)6^n$

Question Number : 143 Question Id : 1626531972 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

पुनरावृत्ति संबंध $a_n = 6a_{n-1} - 9a_{n-2}, a_0 = 1, a_1 = 6$ का हल _____ है।

Options :

1. ✖ $a_n = (n-1)3^n$

2. ✖ $a_n = (1-n)3^n$

3. ✔ $a_n = (1+n)3^n$

4. ✖ $a_n = (1+n)6^n$

Question Number : 144 Question Id : 1626531973 Question 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 positive integers less than 200 are NOT divisible by three or more primes?

Options :

1. ✖ 197

2. ✔ 168

3. ✖ 122

4. ✖ 65

Question Number : 144 Question Id : 1626531973 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

200 से कम कितने धनात्मक पूर्णांक तीन या अधिक अभाज्य संख्याओं द्वारा विभाज्य नहीं हैं?

Options :

1. ✖ 197

2. ✔ 168

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3. ✖ 122

4. ✖ 65

Question Number : 145 Question Id : 1626531974 Question 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 positive integers not exceeding 1000 are divisible by 7 or 11?

Options :

1. ✖ 12

2. ✖ 90

3. ✖ 142

4. ✔ 220

Question Number : 145 Question Id : 1626531974 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

1000 से कम, कितने धनात्मक पूर्णांक 7 या 11 से विभाज्य नहीं हैं?

Options :

1. ✖ 12

2. ✖ 90

3. ✖ 142

4. ✔ 220

Question Number : 146 Question Id : 1626531975 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If $f(x) = x\left(\sqrt{x} - \sqrt{x+1}\right)$, then:

Options :

1. ✖ f(x) is not differentiable at x = 0

2. ✖ f(x) is continuous but not differentiable at x = 0

3. ✔ f(x) is differentiable at x = 0

4. ✖ f(x) is differentiable at $x \neq 0$

Question Number : 146 Question Id : 1626531975 Question 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 $f(x) = x\left(\sqrt{x} - \sqrt{x+1}\right)$, तो:

Options :

1. ✖ f(x) x = 0 पर अवकलनीय नहीं है।

2. ✖ f(x) संतत है परंतु x = 0 पर अवकलनीय नहीं है।

3. ✔ f(x) x = 0 पर अवकलनीय है।

4. ✖ f(x) $x \neq 0$ पर अवकलनीय है।

Question Number : 147 Question Id : 1626531976 Question 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 $f(x) = \frac{x}{\sin x}$ and $g(x) = \frac{x}{\tan x}$, where $0 \leq x \leq 1$, then in the interval:

Options :

1. ✔ f(x) is an increasing function

2. ✖ g(x) is an increasing function

3. ✖ Both f(x) and g(x) are increasing functions

4. ✖ Both f(x) and g(x) are decreasing functions

Question Number : 147 Question Id : 1626531976 Question 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 $f(x) = \frac{x}{\sin x}$ और $g(x) = \frac{x}{\tan x}$, जहाँ $0 \leq x \leq 1$, तो उस अंतराल पर:

Options :

1. ✔ f(x) एक बढ़ता हुआ फलन हैं।

2. ✖ g(x) एक बढ़ता हुआ फलन हैं।

3. ✖ दोनों f(x) और g(x) बढ़ते हुए फलन हैं।

4. ✖ दोनों f(x) और g(x) घटते हुए फलन हैं।

Question Number : 148 Question Id : 1626531977 Question 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 set of all points where the function $f(x) = 2x|x|$ is differentiable, is:

Options :

1. ✖ $(0,\infty)$

2. ✖ $[0,\infty)$

3. ✔ $(-\infty,\infty)$

4. ✖ $(-\infty.0) \cup (0,\infty)$

Question Number : 148 Question Id : 1626531977 Question 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 बिन्दुओं का समुच्चय जहाँ फलन $f(x) = 2x|x|$ अवकलनीय हो, उन सभी बिन्दुओं का समुच्चय _____ है।

Options :

1. ✖ $(0,\infty)$

2. ✖ $[0,\infty)$

3. ✔ $(-\infty,\infty)$

4. ✖ $(-\infty.0) \cup (0,\infty)$

Question Number : 149 Question Id : 1626531978 Question 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 second derivative of the function $f(x) = x^{(\frac{1}{x})}$ at $x = e$ is:

Options :

1. ✖ $e^{(\frac{1}{e})}$

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2. ✖ $e^{\left(\frac{1}{(e-2)}\right)}$

3. ✖ $e^{\left(\frac{1}{(e-3)}\right)}$

4. ✔ $-e^{\left(\frac{1}{e}\right)-3}$

Question Number : 149 Question Id : 1626531978 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$x = e$ पर फलन $f(x) = x^{\left(\frac{1}{x}\right)}$ का द्वितीय व्युत्पन्न _____ है।

Options :

1. ✖ $e^{\left(\frac{1}{e}\right)}$

2. ✖ $e^{\left(\frac{1}{(e-2)}\right)}$

3. ✖ $e^{\left(\frac{1}{(e-3)}\right)}$

4. ✔ $-e^{\left(\frac{1}{e}\right)-3}$

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Question Number : 150 Question Id : 1626531979 Question 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 $f(x) = \begin{cases} ax^2 - b, & |x| < 1 \\ \frac{-1}{|x|}, & |x| \geq 1 \end{cases}$ is differentiable, then the values of a and b are respectively:

Options :

1. ✖ 0.5, 0.5

2. ✔ 0.5, 1.5

3. ✖ 1, 2

4. ✖ 1, –1

Question Number : 150 Question Id : 1626531979 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर फलन $f(x) = \begin{cases} ax^2 - b, & |x| < 1 \\ \frac{-1}{|x|}, & |x| \geq 1 \end{cases}$ अवकलनीय है, तो a और b का मान क्रमशः _____ होगा।

Options :

1. ✖ 0.5, 0.5

2. ✔ 0.5, 1.5

3. ✖ 1, 2

4. ✖ 1, –1

Question Number : 151 Question Id : 1626531980 Question 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 the integral $\int \frac{e^x(1+\sin x)}{1+\cos x} dx$ is:

Options :

1. ✖ $\sin(\log x) + C$

2. ✖ $e^x \cot x + C$

3. ✖ $log|\tan x| + C$

4. ✔ $e^x \tan\left(\frac{x}{2}\right) + C$

Question Number : 151 Question Id : 1626531980 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

समाकल $\int \frac{e^x(1+\sin x)}{1+\cos x} dx$ का मान _____ है।

Options :

1. ✖ $\sin(\log x) + C$

2. ✖ $e^x \cot x + C$

3. ✖ $log|\tan x| + C$

4. ✔ $e^x \tan\left(\frac{x}{2}\right) + C$

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Question Number : 152 Question Id : 1626531981 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Euclid's fifth postulate is:

Options :

1. ✔
If a straight line, falling on two straight lines, makes the interior angles on the same side of it, taken together less than two right angles, then the two straight lines if produced indefinitely, meet on that side on which the sum of angles is less than two right angles.

2. ✖ The whole is greater than the part.

3. ✖ A circle may be described with any center and any radius.

4. ✖ All right angles are equal to one another.

Question Number : 152 Question Id : 1626531981 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

यूक्लिड की पाँचवीं अभिधारणा है:

Options :

1. ✔
यदि दो सीधी रेखाओं पर गिरने वाली सीधी रेखा अपने एक ही तरफ अंतःकोण बनाती है, जो एक साथ लिए जाने पर दो समकोणों से कम हैं, तो दो सीधी रेखाएं, यदि अनिश्चित रूप से बनती हैं, उस तरफ मिलती है जिस पर कोणों का योग दो समकोणों से कम होता है।

2. ✖ पूर्ण, हिस्से से बड़ा है।

3. ✖ किसी भी केंद्र और किसी भी त्रिज्या के साथ एक वृत्त का वर्णन किया जा सकता है।

4. ✖ सभी समकोण एक दूसरे के बराबर हैं।

Question Number : 153 Question Id : 1626531982 Question 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 theorems present conditions under which triangles are similar. Which is a false conditions of the theorem?

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

Options :

1. The corresponding sides of the triangle are proportional and the corresponding angles are no congruent.

2. Side-Angle-Side similarity requires the proportionality of two sides and the congruence of the angle between those sides.

3. Side-Angle-Side similarity requires the proportionality of all three sides. If all of the sides are proportional, then all of the angles must be congruent.

4. Side-Angle-Side similarity requires the congruence of two angles and the side between those angles.

Question Number : 153 Question Id : 1626531982 Question 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 प्रमेय वे शर्तें दर्शाते हैं जिनके अंतर्गत त्रिभुज समरूप हैं। प्रमेय की गलत शर्त कौन सी है?

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

Options :

1. त्रिभुज की संगत भुजाएँ समानुपाती होती हैं और संगत कोण सर्वांगसम नहीं होते हैं।

2. भुजा-कोण-भुजा समानता के लिए दो भुजाओं की समानुपातिकता और उन दोनों भुजाओं के बीच के कोण की सर्वांगसमता की आवश्यकता होती है।

3. भुजा-कोण-भुजा समानता के लिए सभी तीन भुजाओं की समानुपातिकता की आवश्यकता होती है। यदि सभी भुजाएँ समानुपाती हैं, तो सभी कोण सर्वांगसम होने ही चाहिए।

4. भुजा-कोण-भुजा समानता के लिए दो कोणों और उन कोणों के बीच की भुजा की सर्वांगसमता की आवश्यकता होती है।

Question Number : 154 Question Id : 1626531983 Question 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 proving that a quadrilateral is a parallelogram, prove any of the following valid conditions:

Options :

1. ✖ All 4 angles are congruent.

2. ✖ Its diagonals are perpendicular.

3. ✔ Both pairs of opposite angles are congruent.

4. ✖ It is both a Rhombus and a Rectangle.

Question Number : 154 Question Id : 1626531983 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक चतुर्भुज को, समांतर चतुर्भुज सिद्ध करने के लिए, निम्नलिखित मान्य शर्तों में से कोई भी सिद्ध करें:

Options :

1. ✖ सभी 4 कोण सर्वांगसम हैं।

2. ✖ इसके विकर्ण लंबवत हैं।

3. ✔ विपरीत कोण के दोनों युग्म सर्वांगसम हैं।

4. ✖ यह एक समचतुर्भुज और एक आयत, दोनों है।

Question Number : 155 Question Id : 1626531984 Question 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 center of the nine point circle:

Options :

1. ✖ is not the midpoints of the three sides.

2. ✔ is the circumcenter of the triangle.

3. ✖ does not lie at the midpoint of the segments joining the orthocenter to each of the vertices.

4. ✖ is a point in which one among nine points.

Question Number : 155 Question Id : 1626531984 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

नौ बिंदु वाले वृत्त का केंद्र _____

Options :

1. ✖ तीन भुजाओं का मध्यबिंदु नहीं है।

2. ✔ त्रिभुज का परिकेंद्र है।

3. ✖ प्रत्येक शिरोबिंदु को लम्बकेन्द्र से जोड़नेवाले खंडों के मध्य बिंदु पर स्थित नहीं होता है।

4. ✖ एक बिंदु है जिसमें नौ बिन्दुओं में से एक है।

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Question Number : 156 Question Id : 1626531985 Question 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 false statement given below:

Options :

1. ✖ Ceva's theorem is concerned with concurrency of the lines.

2. ✖ Menelau's theorem is concerned with the collinearity of the points.

3. ✔ Menelau's theorem is a not dual version of Ceva's theorem.

4. ✖ If the quadrilateral is cyclic, then the product of the two diagonals is equal to the sum of the products of the opposite side lengths.

Question Number : 156 Question Id : 1626531985 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

गलत कथन की पहचान करें:

Options :

1. ✖ सेवा का प्रमेय रेखाओं की सहसंगता से संबंधित है।

2. ✖ मेनेलाउस का प्रमेय बिंदुओं की समरैखिकता से सम्बंधित है।

3. ✔ मेनेलाउस का का प्रमेय सेवा के प्रमेय का दोहरा संस्करण नहीं है।

4. ✖ यदि चतुर्भुज चक्रीय है, तो दो विकर्णों का गुणनफल विपरीत भुजा की लंबाई के गुणनफल के योग के बराबर है।

Question Number : 157 Question Id : 1626531986 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The area of the quadrilateral whose vertices, taken in order, are $(-4,-2)$, $(-3,\ -5)$, $(3,-2)$ and $(2,\ 3)$, is:

Options :

1. ✖ 22 sq. units

2. ✖ 26 sq. units

3. ✔ 28 sq. units

4. ✖ 23 sq. units

Question Number : 157 Question Id : 1626531986 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

जिसके शिरोबिंदु, क्रमागत रूप से, $(-4,-2),(-3,-5),(3,-2)$ और $(2,3)$ हैं, ऐसे चतुर्भुज का क्षेत्रफल _____ होगा।

Options :

1. ✗ 22 sq. units

2. ✗ 26 sq. units

3. ✓ 28 sq. units

4. ✗ 23 sq. units

Question Number : 158 Question Id : 1626531987 Question 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 (1.5, 0), (1.5, 6) and (-1, 6) are mid points of a triangle, then the incentre of the triangle is:

Options :

1. ✗ $\left(\frac{2}{3},4\right)$

2. ✓ $(1,2)$

3. ✗ $(2,3)$

4. ✗ $(4,0)$

Question Number : 158 Question Id : 1626531987 Question 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 (1.5, 0), (1.5, 6) और (-1, 6) त्रिभुज के मध्य बिंदु हैं, तो त्रिभुज का अन्तःकेंद्र _____ है।

Options :

1. ✗ $\left(\frac{2}{3},4\right)$

2. ✓ $(1,2)$

3. ✗ $(2,3)$

4. ✖ $(4,0)$

Question Number : 159 Question Id : 1626531988 Question 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 triangle ABC with vertices $A(1,2), B(2,3)$ and $C(3,1)$ and $\angle C = \cos^{-1}\left(\frac{4}{5}\right), \angle B = \angle A = \cos^{-1}\left(\frac{1}{\sqrt{10}}\right)$. Then the coordinates of circumcentre of the triangle are:

Options :

1. ✖ $(11,2)$

2. ✖ $(2,13)$

3. ✔ $\left(\frac{11}{6},2\right)$

4. ✖ $\left(\frac{13}{6},\frac{11}{6}\right)$

Question Number : 159 Question Id : 1626531988 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

त्रिभुज ABC के शिरोबिंदु $A(1,2), B(2,3)$ और $C(3,1)$ और $\angle C = \cos^{-1}\left(\frac{4}{5}\right), \angle B = \angle A = \cos^{-1}\left(\frac{1}{\sqrt{10}}\right)$ हैं, तो त्रिभुज के परिकेंद्र के निर्देशांक _____ हैं।

Options :

1. ✖ $(11,2)$

2. ✖ $(2,13)$

3. ✔ $\left(\frac{11}{6},2\right)$

4. ✖ $\left(\frac{13}{6},\frac{11}{6}\right)$

Question Number : 160 Question Id : 1626531989 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The area of the triangle formed by the straight lines $7x - 2y + 10 = 0, 7x + 2y - 10 = 0$ and $9x + y + 2 = 0$ is:

Options :

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1. ✔ $\frac{686}{275}$ sq. units

2. ✖ $\frac{688}{275}$ sq. units

3. ✖ $\frac{686}{255}$ sq. units

4. ✖ $\frac{868}{275}$ sq. units

Question Number : 160 Question Id : 1626531989 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सरल रेखाओं $7x - 2y + 10 = 0, 7x + 2y - 10 = 0$ तथा $9x + y + 2 = 0$ से बने त्रिभुज का क्षेत्रफल _____ है।

Options :

1. ✔ $\frac{686}{275}$ sq. units

2. ✖ $\frac{688}{275}$ sq. units

3. ✖ $\frac{686}{255}$ sq. units

4. ✖ $\frac{868}{275}$ sq. units

Subject Related

Group Number :	9
Group Id :	16265399
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 :	16265399

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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:	162653129
Question Shuffling Allowed :	Yes

Question Number : 161 Question Id : 1626531990 Question 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 distance between two parallel lines is unity. A point A lies between the lines at a distance 'a' from one of them. If the vertex B lies on one of the parallel lines and the vertex C lies on the other line, then the length of a side of an equilateral triangle ABC is:

Options :

1. ✖ $\frac{2}{\sqrt{3}}\sqrt{(a^2+a+1)}$ units

2. ✖ $\frac{2}{\sqrt{3}}\sqrt{(a^2+a-1)}$ units

3. ✖ $\frac{\sqrt{2}}{3}\sqrt{(a^2-a+1)}$ units

4. ✔ $\frac{2}{\sqrt{3}}\sqrt{(a^2-a+1)}$ units

Question Number : 161 Question Id : 1626531990 Question 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 समांतर रेखाओं के बीच की दूरी एक इकाई है। एक बिंदु A उनमें से एक से दूरी 'a' पर लाइनों के बीच स्थित है। यदि शीर्ष B समानांतर रेखाओं में से एक पर स्थित है और शीर्ष C दूसरी रेखा पर स्थित है, तो समबाहू त्रिभुज ABC के एक भुजा की लंबाई _____ है।

Options :

1. ✖ $\frac{2}{\sqrt{3}}\sqrt{(a^2+a+1)}$ units

2. ✖ $\frac{2}{\sqrt{3}}\sqrt{(a^2+a-1)}$ units

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3. ✖ $\frac{\sqrt{2}}{3}\sqrt{(a^2-a+1)}$ units

4. ✔ $\frac{2}{\sqrt{3}}\sqrt{(a^2-a+1)}$ units

Question Number : 162 Question Id : 1626531991 Question 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 angle θ between the lines joining the points $(0,\ 0),(2,3)$ and $(2,-2),(3,5)$ is:

Options :

1. ✖ $tan^{-1}\left(\frac{1}{23}\right)$

2. ✖ $tan^{-1}\left(\frac{11}{3}\right)$

3. ✔ $tan^{-1}\left(\frac{11}{23}\right)$

4. ✖ $tan^{-1}\left(\frac{1}{3}\right)$

Question Number : 162 Question Id : 1626531991 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

बिन्दुओं $(0,\ 0),(2,3)$ और $(2,-2),(3,5)$ से बनी रेखाओं के बीच का कोण θ _____ है।

Options :

1. ✖ $tan^{-1}\left(\frac{1}{23}\right)$

2. ✖ $tan^{-1}\left(\frac{11}{3}\right)$

3. ✔ $tan^{-1}\left(\frac{11}{23}\right)$

4. ✖ $tan^{-1}\left(\frac{1}{3}\right)$

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Question Number : 163 Question Id : 1626531992 Question 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 circular coins each of radii 1 cm are kept in an equilateral triangle such that all the three coins touch each other and also the sides of the triangle. The area of the triangle is:

Options :

1. ✔ $(6+4\sqrt{3})\ \text{cm}^2$

2. ✖ $(4+2\sqrt{3})\ \text{cm}^2$

3. ✖ $\frac{1}{4}(12+7\sqrt{3})\ \text{cm}^2$

4. ✖ $\frac{1}{4}(48+7\sqrt{3})\ \text{cm}^2$

Question Number : 163 Question Id : 1626531992 Question 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 cm त्रिज्या वाले तीन वृताकार सिक्कों को एक समबाहू त्रिभुज में इस तरह रखा जाता है जिस से सभी तीन सिक्के एक-दूसरे को और त्रिभुज की भुजाओं को भी स्पर्श करते हैं। त्रिभुज का क्षेत्रफल _____ है।

Options :

1. ✔ $(6+4\sqrt{3})\ \text{cm}^2$

2. ✖ $(4+2\sqrt{3})\ \text{cm}^2$

3. ✖ $\frac{1}{4}(12+7\sqrt{3})\ \text{cm}^2$

4. ✖ $\frac{1}{4}(48+7\sqrt{3})\ \text{cm}^2$

Question Number : 164 Question Id : 1626531993 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The area of an equilateral triangle inscribed in the circle $x^2+y^2+2gx+2fy+c=0$ is:

Options :

1. ✖ $\frac{\sqrt{27}}{4}\sqrt{(g^2+f^2+1)}$ sq. units

2. ✔ $\frac{3\sqrt{3}}{4}\sqrt{(g^2+f^2-1)}$ sq. units

3. ✖ $\frac{3\sqrt{3}}{4}\sqrt{(g^2-f^2-1)}$ sq. units

4. ✖ $\frac{3\sqrt{3}}{4}\sqrt{(g^2+f^2+1)}$ sq. units

Question Number : 164 Question Id : 1626531993 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

वृत्त $x^2+y^2+2gx+2fy+c=0$ में बने एक समबाहु त्रिभुज का क्षेत्रफल _____ है।

Options :

1. ✖ $\frac{\sqrt{27}}{4}\sqrt{(g^2+f^2+1)}$ sq. units

2. ✔ $\frac{3\sqrt{3}}{4}\sqrt{(g^2+f^2-1)}$ sq. units

3. ✖ $\frac{3\sqrt{3}}{4}\sqrt{(g^2-f^2-1)}$ sq. units

4. ✖ $\frac{3\sqrt{3}}{4}\sqrt{(g^2+f^2+1)}$ sq. units

Question Number : 165 Question Id : 1626531994 Question 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 circle $x^2+y^2=1$ cuts the x-axis at A and B, another circle with centre at B and variable radius, intersects the first circle at C above the x-axis and the line segment AB at D. Then the maximum area of the triangle is:

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

Options :

1. $\frac{2\sqrt{3}}{9}$ sq. units

2. $\frac{4}{3\sqrt{3}}$ sq. units

3. $\frac{4\sqrt{3}}{9}$ sq. units

4. $\frac{4\sqrt{2}}{3}$ sq. units

Question Number : 165 Question Id : 1626531994 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

वृत्त $x^2 + y^2 = 1$, A और B पर x-अक्ष को काटता है, एक और वृत्त जिसका केंद्र B पर है और चर त्रिज्या वाला है, वह पहले वृत्त को x-अक्ष के ऊपर C पर तथा रेखाखंड AB को D पर काटता है। त्रिभुज का अधिकतम क्षेत्रफल _____ है।

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

Options :

1. $\frac{2\sqrt{3}}{9}$ sq. units

2. $\frac{4}{3\sqrt{3}}$ sq. units

3. $\frac{4\sqrt{3}}{9}$ sq. units

4. $\frac{4\sqrt{2}}{3}$ sq. units

Question Number : 166 Question Id : 1626531995 Question 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 perimeter of a triangle right angled at C is 70, and the in-radius is 6. Then $|a - b|$ equals:

Options :

1. ✖ 8

2. ✖ 9

3. ✖ 2

4. ✔ 1

Question Number : 166 Question Id : 1626531995 Question 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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C पर समकोण वाले एक त्रिभुज का परिमाप 70 है और उसकी आंतरिक त्रिज्या 6 है। तो $|a - b|$ बराबर है:

Options :

1. ✖ 8

2. ✖ 9

3. ✖ 2

4. ✔ 1

Question Number : 167 Question Id : 1626531996 Question 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 wheels of a taxi are of diameter 80 cm each. How many complete revolutions does each wheel make in 10 minutes when the taxi is traveling at a speed of 66 km/h?

Options :

1. ✖ 4355

2. ✖ 4325

3. ✖ 4735

4. ✔ 4375

Question Number : 167 Question Id : 1626531996 Question 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 टैक्सी के प्रत्येक पहिये का व्यास 80 cm है। प्रत्येक पहिया 10 मिनट में कितने परिक्रमण पूर्ण करेगा, जब टैक्सी 66 km/h की रफ्तार से चल कर रही हो?

Options :

1. ✖ 4355

2. ✖ 4325

3. ✖ 4735

4. ✔ 4375

Question Number : 168 Question Id : 1626531997 Question 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 vessel is in the form of a hollow hemisphere mounted by a hollow cylinder. The diameter of the hemisphere is 14 cm and the total height of the vessel is 13 cm. Then the inner surface area of the vessel is:

Options :

1. ✖ $527\ cm^2$

2. ✔ $572\ cm^2$

3. ✖ $562\ cm^2$

4. ✖ $542\ cm^2$

Question Number : 168 Question Id : 1626531997 Question 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 पोत, एक खोखले गोलार्ध के रूप में है जिसके ऊपर एक खोखला बेलन आरोहित है। गोलार्ध का व्यास 14 cm है और पोत की कुल ऊंचाई 13 cm है। फिर पोत के भीतरी सतह का क्षेत्रफल _____ है।

Options :

1. ✖ $527\ cm^2$

2. ✔ $572\ cm^2$

3. ✖ $562\ cm^2$

4. ✖ $542\ cm^2$

Question Number : 169 Question Id : 1626531998 Question 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 medicine capsule is in the shape of cylinder with two hemispheres stuck to each of its ends .The length of the entire capsule is 14 mm and the diameter of the capsule is 5 mm. Then its surface area is:

Options :

1. ✖ $120\ mm^2$

2. ✖ $210\ mm^2$

3. ✔ $220\ mm^2$

4. ✖ if the radius of the cylinder is 60 cm and its height is 180 cm.

Question Number : 169 Question Id : 1626531998 Question 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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दवा का एक कैप्सूल सिलेंडर के आकार में है जिस के दो गोलार्ध इस के दोनों सिरे पर चिपके हैं। पूरे कैप्सूल की लंबाई 14 mm है और कैप्सूल का व्यास 5 mm है। इसके सतह का क्षेत्रफल _____ है।

Options :

1. ✖ $120\ mm^2$

2. ✖ $210\ mm^2$

3. ✔ $220\ mm^2$

4. ✖ यदि सिलेंडर का त्रिज्या 60 cm है और इसकी ऊंचाई 180 cm है।

Question Number : 170 Question Id : 1626531999 Question 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 solid consisting of a right circular cone of height 1.20 m and radius 0.60 m standing on a hemisphere of radius 0.60 m is placed upright in a right circular cylinder full of water such that it touches the bottom. If the radius of the cylinder is 0.60 m and its height is 1.80 m, then the volume of water left in the cylinder is:

Options :

1. ✔ $1131\ m^3$

2. ✖ $1031\ m^3$

3. ✖ $1132\ m^3$

4. ✖ $1130\ m^3$

Question Number : 170 Question Id : 1626531999 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

0.60 m त्रिज्या के गोलार्ध पर लगे, 1.20 m की ऊंचाई तथा 0.60 m त्रिज्या के एक ठोस लम्बवृत्तीय शंकु को एक पानी से भरे लम्बवृत्तीय बेलनकार बर्तन में सीधे रखा गया है, जिस से यह नीचे के तल को छूए। यदि बेलन की त्रिज्या 0.60 m है और इसकी ऊंचाई 1.80 m है, तो बेलन में बचे पानी का आयतन _____ है।

Options :

1. ✔ $1131\ m^3$

2. ✖ $1031\ m^3$

3. ✖ $1132\ m^3$

4. ✖ $1130\ m^3$

Question Number : 171 Question Id : 1626532000 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In ΔABC, right angled at B, if $\tan A = \frac{1}{\sqrt{3}}$, then the value of $\sin A \cos C + \cos A \sin C$ is equal to:

Options :

1. ✖ 0

2. ✔ 1

3. ✖ 2

4. ✖ 4

Question Number : 171 Question Id : 1626532000 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

B पर समकोणवाले ΔABC में, यदि $\tan A = \frac{1}{\sqrt{3}}$, तो $\sin A \cos C + \cos A \sin C$ का मान _____ होगा।

Options :

1. ✖ 0

2. ✔ 1

3. ✖ 2

4. ✖ 4

Question Number : 172 Question Id : 1626532001 Question 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 $\tan(A-B) = \frac{1}{\sqrt{3}}, \tan(A+B) = \sqrt{3}$, $0° < \angle(A+B) < 90°$ with $\angle A$ is greater than $\angle B$, then $\angle A$ and $\angle B$ are:

Options :

1. ✔ $\angle A = 45°, \angle B = 15°$

2. ✖ $\angle A = 60°, \angle B = 15°$

3. ✖ $\angle A = 45°, \angle B = 25°$

4. ✖ $\angle A = 30°, \angle B = 15°$

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Question Number : 172 Question Id : 1626532001 Question 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 $\tan(A-B)=\frac{1}{\sqrt{3}}, \tan(A+B)=\sqrt{3}, \ 0°<\angle(A+B)<90°$ जहाँ $\angle A$ कोण $\angle B$ से बड़ा है, तो $\angle A$ और $\angle B$ हैं:

Options :

1. ✔ $\angle A = 45°, \angle B = 15°$

2. ✖ $\angle A = 60°, \angle B = 15°$

3. ✖ $\angle A = 45°, \angle B = 25°$

4. ✖ $\angle A = 30°, \angle B = 15°$

Question Number : 173 Question Id : 1626532002 Question 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 $\sec 4A = \text{cosec}(A-20°)$, where 4A is an acute angle, then the value of A is:

Options :

1. ✖ $20°$

2. ✖ $21°$

3. ✖ $24°$

4. ✔ $22°$

Question Number : 173 Question Id : 1626532002 Question 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 $4A = \text{cosec}(A-20°)$, जहाँ 4A एक न्यून कोण है, A का मान है:

Options :

1. ✖ $20°$

2. ✖ $21°$

3. ✖ $24°$

4. ✔ $22°$

Question Number : 174 Question Id : 1626532003 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

The value of $\sin 25^\circ \cos 65^\circ + \cos 25^\circ \sin 65^\circ$ is:

Options :

1. ✖ 0

2. ✔ 1

3. ✖ $\frac{1}{2}$

4. ✖ 2

Question Number : 174 Question Id : 1626532003 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$\sin 25^\circ \cos 65^\circ + \cos 25^\circ \sin 65^\circ$ का मान है:

Options :

1. ✖ 0

2. ✔ 1

3. ✖ $\frac{1}{2}$

4. ✖ 2

Question Number : 175 Question Id : 1626532004 Question 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 angle of elevation of the top of a building from the foot of a tower is 30° and the angle of elevation of the top of the tower from the foot of the building is 60°. If the tower is 50 m high, then the height of the building is:

Options :

1. ✔ $\frac{50}{3}$ m

2. ✖ $\frac{49}{3}$ m

3. ✖ $\frac{51}{3}$ m

4. ✖ $\frac{47}{3}$ m

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Question Number : 175 Question Id : 1626532004 Question 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 टावर के नीचे से एक इमारत के शीर्ष की ऊंचाई का उन्नयन कोण 30° है और इमारत के नीचे से टावर के शीर्ष की ऊंचाई का उन्नयन कोण 60° है। यदि टावर 50 मीटर ऊंचा है, तो इमारत की ऊंचाई है:

Options :

1. ✔ $\frac{50}{3}$ मीटर

2. ✖ $\frac{49}{3}$ मीटर

3. ✖ $\frac{51}{3}$ मीटर

4. ✖ $\frac{47}{3}$ मीटर

Question Number : 176 Question Id : 1626532005 Question 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 120 cm tall boy spots a balloon moving with the wind in a horizontal line at a height of 8820 cm from the ground. The angle of elevation of the balloon from the eyes of the boy at one instant is 60°. After some time, the angle of elevation reduces to 30°. Then the distance travelled by the balloon during this interval is:

Options :

1. ✖ $8700\sqrt{3}$ cm

2. ✖ $2900\sqrt{3}$ cm

3. ✔ $5800\sqrt{3}$ cm

4. ✖ $5700\sqrt{3}$ cm

Question Number : 176 Question Id : 1626532005 Question 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 120 cm लंबा लड़का जमीन से 8820 cm की ऊंचाई पर एक क्षैतिज रेखा में हवा के साथ एक गुब्बारा उड़ते देखता है। किसी एक पल में लड़के की आंखों से गुब्बारे का उन्नयन कोण 60° है। कुछ समय बाद, उन्नयन कोण 30° तक कम हो जाता है। उस अंतराल के दौरान गुब्बारे द्वारा तय की गई दूरी है:

Options :

1. ✖ $8700\sqrt{3}$ cm

2. ✖ $2900\sqrt{3}$ cm

3. ✔ $5800\sqrt{3}$ cm

4. ✖ $5700\sqrt{3}$ cm

Question Number : 177 Question Id : 1626532006 Question 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 histogram, each class rectangle is constructed with base as:

Options :

1. ✖ frequency

2. ✔ class interval

3. ✖ size of the class

4. ✖ range

Question Number : 177 Question Id : 1626532006 Question 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 आयत चित्र में, प्रत्येक वर्ग आयताकार _____ आधार के साथ बनाया जाता है।

Options :

1. ✖ आवृत्ति

2. ✔ वर्ग अंतराल

3. ✖ वर्ग का अकार

4. ✖ प्रसरण

Question Number : 178 Question Id : 1626532007 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Construction of a cumulative frequency table is useful in determining the:

Options :

1. ✖ mean

2. ✔ median

3. ✖ mode

4. ✖ all the three given measures

Question Number : 178 Question Id : 1626532007 Question 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 संचयी आवृत्ति तालिका का निर्माण _____ निर्धारित करने में उपयोगी है।

Options :

1. ✖ माध्य

2. ✔ मध्यिका

3. ✖ बहुलक

4. ✖ दिए गए सभी तीनों विकल्प

Question Number : 179 Question Id : 1626532008 Question 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 retail market, fruit vendors were selling apples kept in packing boxes. These boxes contained varying number of apples. The following was the distribution of apples according to the number of boxes.

No. of apples:	50 – 52	53 – 55	56 – 58	59 – 61	62 – 64
No. of boxes:	15	110	135	115	25

Then the mean number of apples kept in a packing box was:

Options :

1. ✖ 59.16

2. ✖ 61.54

3. ✔ 57.19

4. ✖ 52.64

Question Number : 179 Question Id : 1626532008 Question 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 खुदरा बाजार में, फल विक्रेता पैकिंग बक्से में रखे सेब बेच रहे थे। इन बक्सों में सेबों की संख्या अलग-अलग थी। बक्से की संख्या के अनुसार सेब का वितरण निम्नलिखित था।

सेबों की संख्या :	50 – 52	53 – 55	56 - 58	59 - 61	62 – 64
बॉक्स की संख्या :	15	110	135	115	25

तो एक पैकिंग बॉक्स में रखे सेबों की माध्य संख्या बताएं।

Options :

1. ✖ 59.16

2. ✖ 61.54

3. ✔ 57.19

4. ✖ 52.64

Question Number : 180 Question Id : 1626532009 Question 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 median of the distribution given below is 28.5,

Class:	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60	
Freq.:	5	a	20	15	b	5	Total 60

then the missing values of a and b are respectively:

Options :

1. ✖ 3, 7

2. ✔ 8, 7

3. ✖ 8, 5

4. ✖ 2, 5

Question Number : 180 Question Id : 1626532009 Question 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 नीचे दिए गए वितरण की मध्यिका 28.5 है,

वर्ग :	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60	
आवृति.:	5	a	20	15	b	5	कुल 60

तो a और b के गायब मान होंगे क्रमशः:

Options :

1. ✖ 3, 7

2. ✔ 8, 7

3. ✖ 8, 5

4. ✖ 2, 5

Subject Related

Group Number :	10
Group Id :	162653100
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 :	162653100
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:	162653130
Question Shuffling Allowed :	Yes

Question Number : 181 Question Id : 1626532010 Question 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 boy noted the number of taxi passing through a spot on a road for 100 periods each of 3 minutes and summarized it in the table given below.

No. of taxi:	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70	70 – 80
Frequency:	07	14	13	12	20	11	15	08

Then the mode is:

Options :

1. ✖ 37.5

2. ✖ 29.8

3. ✖ 32.1

4. ✔ 44.7

Question Number : 181 Question Id : 1626532010 Question 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 लड़के ने 3 मिनट प्रत्येक की 100 अवधियों के लिए सड़क पर एक स्थान से गुजरने वाली टैक्सियों की संख्या नोट की और नीचे दी गई तालिका में इसे सारांशित किया।

टैक्सी की संख्या:	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70	70 – 80
आवृति:	07	14	13	12	20	11	15	08

तो बहलक होगा:

Options :

1. ✖ 37.5

2. ✖ 29.8

3. ✖ 32.1

4. ✔ 44.7

Question Number : 182 Question Id : 1626532011 Question 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 identical dice are rolled. The probability that the same number will appear on each of them is:

Options :

1. ✖ $\frac{1}{18}$

2. ✖ $\frac{1}{6}$

3. ✔ $\frac{1}{36}$

4. ✖ $\frac{1}{12}$

Question Number : 182 Question Id : 1626532011 Question 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 समान पासे लुढ़काए जाते हैं। क्या प्रायिकता है कि उनमें से प्रत्येक पर एक ही संख्या दिखाई देगी?

Options :

1. ✖ $\frac{1}{18}$

2. ✖ $\frac{1}{6}$

3. ✔ $\frac{1}{36}$

4. ✖ $\frac{1}{12}$

Question Number : 183 Question Id : 1626532012 Question 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 four machines and it is known that exactly two of them are faulty. They are tested, one by one, in a random order till both the faculty machines are identified. Then the probability that only two tests are needed is:

Options :

1. ✔ $\frac{1}{6}$

2. ✖ $\frac{1}{4}$

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3. ✖ $\frac{1}{3}$

4. ✖ $\frac{1}{2}$

Question Number : 183 Question Id : 1626532012 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

चार मशीनें हैं और यह ज्ञात है कि उनमें से ठीक दो दोषपूर्ण हैं। जब तक दोनों दोषपूर्ण मशीनों की पहचान नहीं की जाती है, तब तक उन्हें यादृच्छिक क्रम में एक-एक करके परीक्षण किया जाता है। फिर क्या प्रायिकता है कि केवल दो परीक्षण की जरूरत होगी?

Options :

1. ✔ $\frac{1}{6}$

2. ✖ $\frac{1}{4}$

3. ✖ $\frac{1}{3}$

4. ✖ $\frac{1}{2}$

Question Number : 184 Question Id : 1626532013 Question 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 be a Poisson random variable such that $2P(X = 0) = P(X = 2)$. Then the standard deviations of X is:

Options :

1. ✖ $-\sqrt{2}$

2. ✔ $\sqrt{2}$

3. ✖ 4

4. ✖ 2

Question Number : 184 Question Id : 1626532013 Question 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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माना कि X एक पॉयसन अनियमित चर (Poisson random variable) है जहाँ $2P(X = 0) = P(X = 2)$। तब X का मानक विचलन होगा:

Options :

1. ✖ $-\sqrt{2}$

2. ✔ $\sqrt{2}$

3. ✖ 4

4. ✖ 2

Question Number : 185 Question Id : 1626532014 Question 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 probability of getting 4 heads in 6 tosses of a fair coin is:

Options :

1. ✖ $\frac{15}{32}$

2. ✖ $\frac{15}{128}$

3. ✔ $\frac{15}{64}$

4. ✖ $\frac{30}{32}$

Question Number : 185 Question Id : 1626532014 Question 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 उचित सिक्के के 6 टॉस में 4 हेड प्राप्त करने की प्रायिकता है:

Options :

1. ✖ $\frac{15}{32}$

2. ✖ $\frac{15}{128}$

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3. ✔ $\frac{15}{64}$

4. ✖ $\frac{30}{32}$

Question Number : 186 Question Id : 1626532015 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If two regression coefficients are -0.1 and -0.9, then correlation coefficient is:

Options :

1. ✖ 0.9

2. ✖ 0.3

3. ✖ -0.9

4. ✔ -0.3

Question Number : 186 Question Id : 1626532015 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर दो प्रतिगमन गुणांक -0.1 तथा -0.9 है, तो सहसंबंध गुणांक हैं:

Options :

1. ✖ 0.9

2. ✖ 0.3

3. ✖ -0.9

4. ✔ -0.3

Question Number : 187 Question Id : 1626532016 Question 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 normal equations for finding a curve of the form $y = a + bx + cx^2$ for 'n' data are:

Options :

1. ✔

$$\sum y = na + b\sum x + c\sum x^2,\ \sum xy = a\sum x + b\sum x^2 + c\sum x^3,\ \sum x^2 y = a\sum x^2 + b\sum x^3 + c\sum x^4$$

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2. ✖
$\sum y = a + b\sum x + c\sum x^2,\ \sum xy = a\sum x + b\sum x^2 + c\sum x^3,\ \sum x^2y = a\sum x^2 + b\sum x^3 + c\sum x^4$

3. ✖
$\sum y = na + b\sum x + c\sum x^2,\ \sum y^2 = a\sum xy + b\sum x^2 + c\sum x^3,\ \sum x^2y = a\sum x^2 + b\sum x^3 + c\sum x^4$

4. ✖
$\sum y = na + b\sum x + c\sum x^2, \sum xy = a\sum x + b\sum x^2 + c\sum x^3,\ \sum x^2y = a\sum x^3 + b\sum x^4 + c\sum x^5$

Question Number : 187 Question Id : 1626532016 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'n' आंकडे के लिए फॉर्म $y = a + bx + cx^2$ के वक्र को खोजने के लिए सामान्य समीकरण है:

Options :

1. ✔
$\sum y = na + b\sum x + c\sum x^2,\ \sum xy = a\sum x + b\sum x^2 + c\sum x^3,\ \sum x^2y = a\sum x^2 + b\sum x^3 + c\sum x^4$

2. ✖
$\sum y = a + b\sum x + c\sum x^2,\ \sum xy = a\sum x + b\sum x^2 + c\sum x^3,\ \sum x^2y = a\sum x^2 + b\sum x^3 + c\sum x^4$

3. ✖
$\sum y = na + b\sum x + c\sum x^2,\ \sum y^2 = a\sum xy + b\sum x^2 + c\sum x^3,\ \sum x^2y = a\sum x^2 + b\sum x^3 + c\sum x^4$

4. ✖
$\sum y = na + b\sum x + c\sum x^2, \sum xy = a\sum x + b\sum x^2 + c\sum x^3,\ \sum x^2y = a\sum x^3 + b\sum x^4 + c\sum x^5$

Question Number : 188 Question Id : 1626532017 Question 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 continuous random variable x has a probability density function $f(x) = \begin{cases} 6x(1-x), & 0 < x \leq 1 \\ 0, & otherwise \end{cases}$. Then the variance of x is:

Options :

1. ✖ $\frac{1}{2}$

2. ✖ $\frac{1}{40}$

3. ✔ $\frac{1}{20}$

4. ✖ $\frac{1}{5}$

Question Number : 188 Question Id : 1626532017 Question 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 निरंतर यादृच्छिक चर x का प्रायिकता घनत्व फलन $f(x) = \begin{cases} 6x(1-x), & 0 < x \leq 1 \\ 0, & otherwise \end{cases}$ है। तो x का प्रसरण है:

Options :

1. ✖ $\frac{1}{2}$

2. ✖ $\frac{1}{40}$

3. ✔ $\frac{1}{20}$

4. ✖ $\frac{1}{5}$

Question Number : 189 Question Id : 1626532018 Question 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 $\log e^{(x)}$ is normally distributed with mean 1 and variance 4, then $P(0.5 < x < 2)$ is:

(where the area between z = 0 and z = 0.25 is 0.0987 and the area between z = 0 and z = 0.5 is 0.1915)

Options :

1. ✖ 0.693

2. ✖ 0.396

3. ✖ 0.95

4. ✔ 0.29

Question Number : 189 Question Id : 1626532018 Question 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 $\log e^{(x)}$ 1 और प्रसरण 4 के साथ सामान्य रूप से वितरित है, तो $P(0.5 < x < 2)$ का मान होगा:

(जहाँ z = 0 और z = 0.25 के बीच का क्षेत्रफल 0.0987 है और z = 0 तथा z = 0.5 के बीच का क्षेत्रफल 0.1915 है)

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Options :

1. ✖ 0.693

2. ✖ 0.396

3. ✖ 0.95

4. ✔ 0.29

Question Number : 190 Question Id : 1626532019 Question 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 standard error of the sample mean is:

Options :

1. ✔ the square root of the variance of the population divided by the sample size

2. ✖ the standard deviation of the sample mean

3. ✖ the variance of the population

4. ✖ the variance of the sample

Question Number : 190 Question Id : 1626532019 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

नमूना माध्य की मानक त्रुटि है:

Options :

1. ✔ जनसंख्या के प्रसरण के वर्गमूल को नमूना आकार से विभाजित करने पर

2. ✖ नमूना माध्य का मानक विचलन

3. ✖ जनसंख्या का प्रसरण

4. ✖ नमूने का प्रसरण

Sub-Section Number: 2
Sub-Section Id: 162653131
Question Shuffling Allowed : Yes

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Question Number : 191 Question Id : 1626532020 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

When is a concept termed as complex?

Options :

1. ✖ When it is beyond explanation

2. ✔ When it has more than one attribute

3. ✖ When it is above the average individual's understanding

4. ✖ When it cannot be represented

Question Number : 191 Question Id : 1626532020 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

जटिलता के रूप में एक अवधारणा कब कहा जाता है?

Options :

1. ✖ जब यह स्पष्टीकरण से परे है

2. ✔ जब इसकी एक से अधिक विशेषता होती है

3. ✖ जब यह औसत व्यक्ति की समझ से ऊपर है

4. ✖ जब इसका प्रतिनिधित्व नहीं किया जा सकता है

Question Number : 192 Question Id : 1626532021 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Activities like climbing trees, plucking fruits, jumping, drama etc were part of educational programmes in educational institutions established by which of the following philosophers?

Options :

1. ✔ Rabindranath Tagore

2. ✖ John Dewey

3. ✖ Rousseau

4. ✖ Sri Aurobindo

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Question Number : 192 Question Id : 1626532021 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

पेड़ चढ़ाई, फलों को फेंकने, कूदने, नाटक इत्यादि जैसी गतिविधियां निम्नलिखित दार्शनिकों द्वारा स्थापित शैक्षिक संस्थानों में शैक्षणिक कार्यक्रमों का हिस्सा थीं?

Options :

1. ✔ रविंद्रनाथ टैगोर

2. ✖ जॉन डूई

3. ✖ रूसो

4. ✖ श्री अरबिंदो

Question Number : 193 Question Id : 1626532022 Question 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 classroom context when words are associated with pictures or meanings in language learning it is an example of:

Options :

1. ✖ Trial and error method

2. ✖ Discovery method of learning

3. ✔ Classic conditioning

4. ✖ Operant conditioning

Question Number : 193 Question Id : 1626532022 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

कक्षा के संदर्भ में जब शब्द भाषा सीखने में चित्रों या अर्थों से जुड़े होते हैं तो यह एक उदाहरण है:

Options :

1. ✖ परीक्षण और त्रुटि विधि

2. ✖ सीखने की डिस्कवरी विधि

3. ✔ क्लासिक कंडीशनिंग

4. ✖ ऑपरंट कंडीशनिंग

Question Number : 194 Question Id : 1626532023 Question 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 right sequence of a scientific method when:

a) testing hypothesis b) identifying the problem c) data gathering d) construct hypothesis

Options :

1. ✖ b, c, a, d

2. ✖ c, b, d, a

3. ✖ d, a, c, b

4. ✔ b, d, c, a

Question Number : 194 Question Id : 1626532023 Question 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 वैज्ञानिक विधि के सही अनुक्रम की पहचान करें।

ए) परीक्षण परिकल्पना बी) समस्या की पहचान सी) डेटा एकत्रण डी) परिकल्पना का निर्माण

Options :

1. ✖ बी, सी, ए, डी

2. ✖ सी, बी, डी, ए

3. ✖ डी, ए, सी, बी

4. ✔ बी, डी, सी, ए

Question Number : 195 Question Id : 1626532024 Question 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 the law relevant to declining sex ratio?

Options :

1. ✖ Right to educational opportunities

2. ✔ Right against female foeticide

3. ✖ Right to property

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4. ✖ Right against being arrested at night

Question Number : 195 Question Id : 1626532024 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सेक्स अनुपात में कमी के लिए निम्नलिखित में से कौन सा कानून प्रासंगिक है?

Options :

1. ✖ शैक्षिक अवसरों का अधिकार

2. ✔ महिला भ्रूणहत्या के खिलाफ सही

3. ✖ संपत्ति का अधिकार

4. ✖ रात में गिरफ्तार होने के खिलाफ सही

Question Number : 196 Question Id : 1626532025 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

One of the key recommendations by National Council of Teachers of Mathematics' Curriculum and Evaluation Standards for School Mathematics (1989) is that instruction in elementary school mathematics should _____.

Options :

1. ✖ shift from skill based to exam oriented approach where students focus on outcomes

2. ✖ follow easy methods where in students can understand and remember with ease

3. ✖ stick to approaches that have been followed by our ancestors

4. ✔
shift from a teacher-directed approach to those in which students are actively involved in searching for patterns and experimenting with their own conjectures.

Question Number : 196 Question Id : 1626532025 Question 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 गणित (1989) के लिए गणित के पाठ्यक्रम और मूल्यांकन मानकों के राष्ट्रीय परिषद के शिक्षकों की प्रमुख सिफारिशों में से एक यह है कि प्राथमिक विद्यालय गणित में निर्देश होना चाहिए।

Options :

1. ✖
परीक्षा उन्मुख दृष्टिकोण के आधार पर कौशल से शिफ्ट करें जहां छात्र परिणामों पर ध्यान केंद्रित करते हैं

2. ✖ आसान तरीकों का पालन करें जहां छात्रों को आसानी से समझ और याद कर सकते हैं

3. ✖ हमारे पूर्वजों द्वारा पीछा किए जाने वाले दृष्टिकोणों पर चिपके रहें

4. ✔ एक शिक्षक द्वारा निर्देशित दृष्टिकोण से शिफ्ट करें जिसमें छात्र पैटर्न के लिए सक्रिय रूप से शामिल होते हैं और अपने अनुमानों के साथ प्रयोग करते हैं।

Question Number : 197 Question Id : 1626532026 Question 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 process that happens when people look at a text and assign meaning to the written symbols in that text" can be defined as _____.

Options :

1. ✔ Reading

2. ✖ Writing

3. ✖ Drawing

4. ✖ Watching

Question Number : 197 Question Id : 1626532026 Question 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 प्रक्रिया जो तब होती है जब लोग टेक्स्ट को देखते हैं और उस पाठ में लिखित प्रतीकों को अर्थ देते हैं" को कैसे परिभाषित किया जा सकता है।

Options :

1. ✔ पढ़ना

2. ✖ लिख रहे हैं

3. ✖ चित्रकारी

4. ✖ देख रहे

Question Number : 198 Question Id : 1626532027 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Creativity in craft can be described as:

Options :

1. ✖ Making models according to the given patterns

2. ✖ Following steps and procedures to reproduce given models

3. ✔ Being able to see material not as they are but what they can become

4. ✖ Being able to make articles based on instructions

Question Number : 198 Question Id : 1626532027 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

शिल्प में रचनात्मकता के रूप में वर्णित किया जा सकता है:

Options :

1. ✖ दिए गए पैटर्न के अनुसार मॉडल बनाना

2. ✖ दिए गए मॉडल को पुन: पेश करने के लिए निम्नलिखित कदम और प्रक्रियाएं

3. ✔ सामग्री को देखने में सक्षम होने के नाते वे नहीं हैं लेकिन वे क्या बन सकते हैं

4. ✖ निर्देशों के आधार पर लेख बनाने में सक्षम होने के नाते

Question Number : 199 Question Id : 1626532028 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Curriculum can be defined as that which is _____.

Options :

1. ✔ inclusive of school subjects, learning experiences and activities

2. ✖ designed to suit particular schools

3. ✖ developed based on content and knowledge

4. ✖ developed based on school requirements

Question Number : 199 Question Id : 1626532028 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

पाठ्यचर्या को परिभाषित किया जा सकता है जो _____।

Options :

1. ✔ स्कूल विषयों, सीखने के अनुभव और गतिविधियों सहित

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2. ✖ विशेष स्कूलों के अनुरूप बनाया गया है

3. ✖ सामग्री और ज्ञान के आधार पर विकसित किया गया

4. ✖ स्कूल की आवश्यकताओं के आधार पर विकसित किया गया

Question Number : 200 Question Id : 1626532029 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

An observable inclusive practice in classroom is when _____.

Options :

1. ✖ students without disabilities are actively participating in all activities

2. ✔ students with disabilities are not made just mute spectators in learning activities

3. ✖ students with disabilities are taken out for remedial classes

4. ✖ students with disabilities are made into groups

Question Number : 200 Question Id : 1626532029 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

कक्षा में एक देखने योग्य समावेशी अभ्यास है जब _____।

Options :

1. ✖ विकलांग छात्रों के बिना सभी गतिविधियों में सक्रिय रूप से भाग ले रहे हैं

2. ✔ विकलांग छात्रों को सीखने की गतिविधियों में सिर्फ म्यूट दर्शक नहीं बनाया जाता है

3. ✖ विकलांग छात्रों को उपचारात्मक वर्गों के लिए बाहर निकाला जाता है

4. ✖ विकलांग छात्रों को समूहों में बनाया जाता है

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