

## Question Paper Preview

**Notations :**

- Options shown in **green** color and with  icon are correct.
- Options shown in **red** color and with  icon are incorrect.

<b>Question Paper Name:</b>	TGT MATHS MALE 23rd September 2018 Shift 2
<b>Subject Name:</b>	TGT MATHS MALE
<b>Creation Date:</b>	2018-09-24 11:15:28
<b>Duration:</b>	120
<b>Total Marks:</b>	200
<b>Display Marks:</b>	Yes
<b>Share Answer Key With Delivery Engine:</b>	Yes
<b>Actual Answer Key:</b>	Yes
<b>Calculator:</b>	None
<b>Magnifying Glass Required?:</b>	No
<b>Ruler Required?:</b>	No
<b>Eraser Required?:</b>	No
<b>Scratch Pad Required?:</b>	No
<b>Rough Sketch/Notepad Required?:</b>	No
<b>Protractor Required?:</b>	No
<b>Show Watermark on Console?:</b>	No
<b>Highlighter:</b>	No
<b>Auto Save on Console?:</b>	No

### Mental Ability

<b>Group Number :</b>	1
<b>Group Id :</b>	167943534
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	0
<b>Revisit allowed for view? :</b>	No
<b>Revisit allowed for edit? :</b>	No
<b>Break time:</b>	0
<b>Group Marks:</b>	20
<b>Revisit allowed for group Instructions? :</b>	Yes
<b>Maximum Instruction Time:</b>	0
<b>Minimum Instruction Time:</b>	0

### Mental Ability

<b>Section Id :</b>	167943599
<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional:</b>	Mandatory
<b>Number of Questions:</b>	20
<b>Number of Questions to be attempted:</b>	20
<b>Section Marks:</b>	20

**Display Number Panel:**

**Group All Questions:**

Yes

No

**Sub-Section Number:**

1

**Sub-Section Id:**

167943961

**Question Shuffling Allowed :**

Yes

**Question Number : 1 Question Id : 16794315328 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.25**

Chef is related to food in the same way as tailor is related to:

**Options :**

1. ✘ Play

2. ✘ Ballet

3. ✓ Clothes

4. ✘ Meat

**Question Number : 1 Question Id : 16794315328 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.25**

शेफ, फ्रूड से उसी प्रकार से संबंधित है जैसे दर्जी निम्नलिखित से संबंधित है?

**Options :**

1. ✘ खेल

2. ✘ नृत्य नाटक

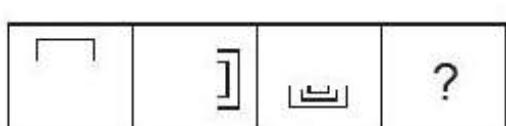
3. ✓ वस्त्र

4. ✘ मांस

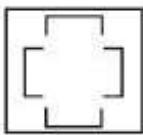
**Question Number : 2 Question Id : 16794315329 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 1 Wrong Marks : 0.25**

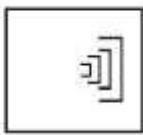
Choose the similar figure in the options.



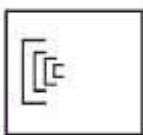
**Options :**



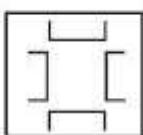
1. ❌



2. ❌



3. ✓

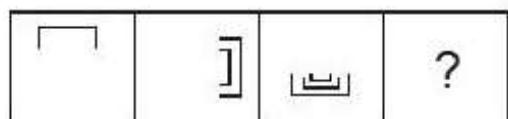


4. ❌

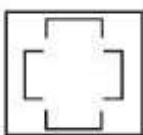
Question Number : 2 Question Id : 16794315329 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

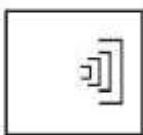
विकल्पों में से समरूप चित्र चुनें।



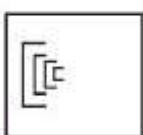
Options :



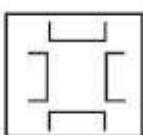
1. ❌



2. ❌



3. ✓

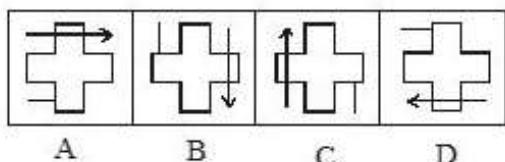


4. ❌

Question Number : 3 Question Id : 16794315330 Question 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

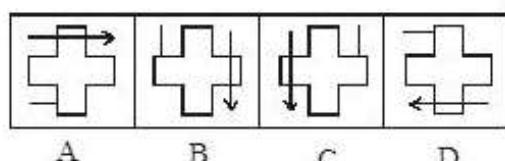
3. ✘ C

4. ✓ D

Question Number : 3 Question Id : 16794315330 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

शृंखला में विषम चित्र चुनें।



Options :

1. ✘ A

2. ✘ B

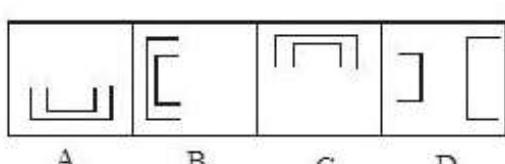
3. ✘ C

4. ✓ D

Question Number : 4 Question Id : 16794315331 Question 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.



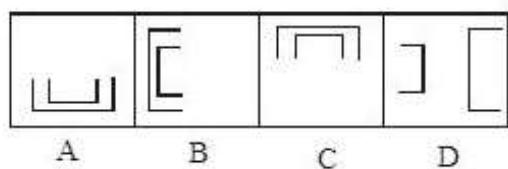
Options :

1. ✘ A
2. ✘ B
3. ✘ C
4. ✓ D

Question Number : 4 Question Id : 16794315331 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

शृंखला में विषम चित्र चुनें।



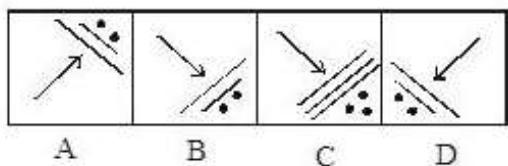
Options :

1. ✘ A
2. ✘ B
3. ✘ C
4. ✓ D

Question Number : 5 Question Id : 16794315332 Question 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 :

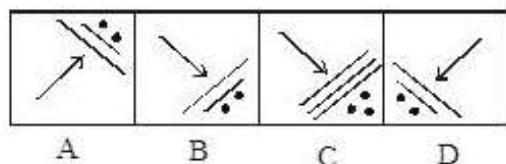
1. ✘ A
2. ✘ B
3. ✓ C

4. ✘ D

Question Number : 5 Question Id : 16794315332 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

शूखला में विषम चिन्ह चुनें।



Options :

1. ✘ A

2. ✘ B

3. ✓ C

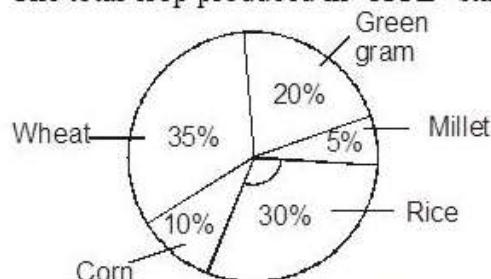
4. ✘ D

Question Number : 6 Question Id : 16794315333 Question 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 pie diagram shows information about the crop cultivation for the pulses & grains in “XYZ” state for the year of 2015-2016. Read the information and answer the questions.

The total crop produced in “XYZ” state is 23,428 tonnes.



How much crop of wheat is cultivated in “XYZ” state during 2015-16?

Options :

1. ✘ 7028.4 tonnes

2. ✘ 4685.6 tonnes

3. ✓ 8199.8 tonnes

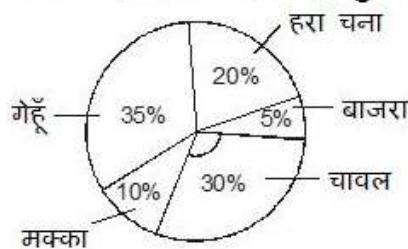
4. ✘ 8118.99 tonnes

Question Number : 6 Question Id : 16794315333 Question 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 पाई आरेख 2015-2016 के वर्ष के लिए "XYZ" राज्य में दालों और अनाज के लिए फसल की खेती के बारे में जानकारी दिखाता है। दी गई जानकारी का अध्ययन करें और नीचे दिए गए प्रश्नों का उत्तर दें।

“XYZ” राज्य में उत्पादित कुल फसल 23,428 टन है।



2015-16 के दौरान “XYZ” राज्य में गेहूँ की फसल की खेती कितनी की जाती है?

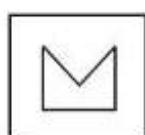
Options :

1. ✗ 7028.4 टन
2. ✗ 4685.6 टन
3. ✓ 8199.8 टन
4. ✗ 8118.99 टन

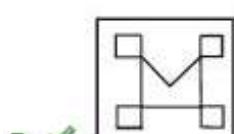
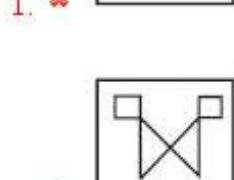
Question Number : 7 Question Id : 16794315334 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

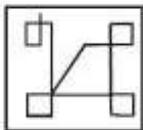
Correct Marks : 1 Wrong Marks : 0.25

Find the embedded figure given below from the options.



Options :



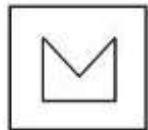


4. ✘

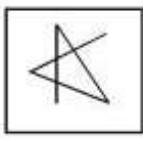
Question Number : 7 Question Id : 16794315334 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

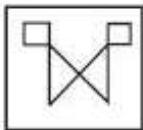
विकल्पों में से नीचे दिए गए सन्निहित चित्र को छूटें।



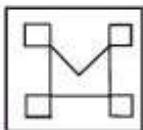
Options :



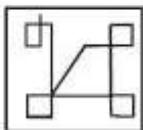
1. ✘



2. ✘



3. ✓



4. ✘

Question Number : 8 Question Id : 16794315335 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Nandu fitness club gives 30% concession in the monthly fee to those belong to any of the following categories

- (i) college students of age group 19 to 26 years
- (ii) unemployed youth of age group 25 years to 40 years
- (iii) senior citizens of age 50 years and above
- (iv) Service men/ex-servicemen of police/Defence forces.
- (v) Sons and daughters of donors/founders of the fitness club.

Vasavi was a police officer. He retired last year as S.I. He wants to join the Nandu's fitness club. For monthly package of ₹ 5000/- how much he needs to pay after concession?

Options :

1. ✘ ₹ 500/-

2. ✗ ₹ 1500/-

3. ✗ ₹ 2500/-

4. ✓ ₹ 3500/-

Question Number : 8 Question Id : 16794315335 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

नंदू फिटनेस क्लब उन लोगों को मासिक शुल्क में 30% रियायत देता है जो निम्न श्रेणियों में से किसी एक से संबंधित है

- (i) 19 से 26 वर्ष के आयु वर्ग के कॉलेज के छात्र को
- (ii) 25 साल से 40 साल के आयु वर्ग के बेरोजगार युवाओं को
- (iii) 50 साल और उससे अधिक आयु के वरिष्ठ नागरिकों को
- (iv) पुलिस/रक्षा बलों के सर्विस मैन/भूतपूर्व सैनिकों को।
- (v) फिटनेस क्लब के दाताओं/संस्थापकों के लड़के और लड़कियों को।

वासवी एक पुलिस अधिकारी थे। वे पिछले साल एसआई के रूप में सेवानिवृत्त हुए थे। वे नंदू के फिटनेस क्लब को ज्वाइन करना चाहते हैं। ₹ 5000/- के मासिक पैकेज के लिए - रियायत के बाद उसे कितना भुगतान करना होगा?

Options :

1. ✗ ₹ 500/-

2. ✗ ₹ 1500/-

3. ✗ ₹ 2500/-

4. ✓ ₹ 3500/-

Question Number : 9 Question Id : 16794315336 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Your friend has gone to city. Unfortunately he lost his wallet. He called you over phone for help. What is the best way to adopt to tackle the situation?

Options :

1. ✓ Make an arrangement to deposit or hand over required money/help for him

2. ✗ Ignore him

3. ✗ Scold him for losing the wallet

4. ✗ Bring this information to the notice of his parent

Question Number : 9 Question Id : 16794315336 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

आपका दोस्त शहर गया है। दुर्भाग्य से उसका बटुआ गुम हो गया। उन्होंने आपको सहायता के लिए फोन किया। इस स्थिति से निपटने के का सबसे अच्छा तरीका क्या है?

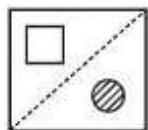
Options :

1.  आवश्यक पैसे जमा करने या देने की व्यवस्था करें/उनकी सहायता करें
2.  उसकी ओर ध्यान न दें
3.  वॉलेट खोने के लिए उसे डांटना
4.  इस जानकारी को उसके माता-पिता के ध्यान में लाएं

Question Number : 10 Question Id : 16794315337 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

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



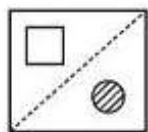
Options :

1.
2.
3.
4.

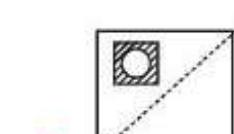
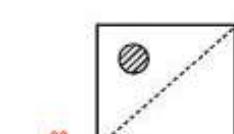
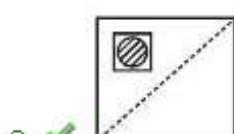
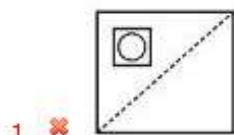
Question Number : 10 Question Id : 16794315337 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

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



Options :



Question Number : 11 Question Id : 16794315338 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

News program always have - Identify the best option that suits the statement.

Options :

1. News

2. Advertisement

3. Jokes

4. Cartoon

Question Number : 11 Question Id : 16794315338 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

समाचार कार्यक्रम में हमेशा होता है- कथन के अनुरूप सर्वोत्तम विकल्प की पहचान करें।

Options :

1. समाचार

2. ✘ विज्ञापन

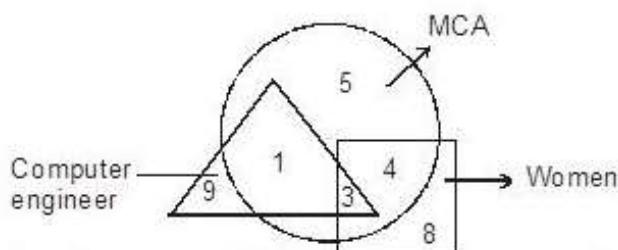
3. ✘ मजाक

4. ✘ काटून

Question Number : 12 Question Id : 16794315339 Question 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 questions.



Which region belongs to women who have done MCA but are not computer engineers?

Options :

1. ✘ 6

2. ✓ 4

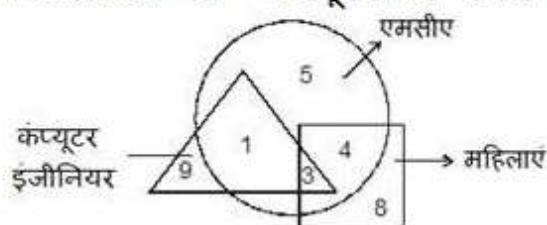
3. ✘ 10

4. ✘ 12

Question Number : 12 Question Id : 16794315339 Question 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 का ध्यानपूर्वक अध्ययन करें और दिए गए प्रश्नों का उत्तर दें।



कौन सा क्षेत्र उन महिलाओं से संबंधित है जिन्होंने एमसीए किया है लेकिन कंप्यूटर इंजीनियर नहीं?

Options :

1. ✘ 6

2. ✓ 4

3. ✘ 10

4. ✘ 12

Question Number : 13 Question Id : 16794315340 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Archana is sister of Radha. How is Radha's mother's sister related to Archana?

Options :

1. ✓ Aunt

2. ✘ Mother

3. ✘ Grand mother

4. ✘ Sister

Question Number : 13 Question Id : 16794315340 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अर्चना राधा की बहन है। राधा के मां की बहन अर्चना से कैसे संबंधित है?

Options :

1. ✓ चाची

2. ✘ माँ

3. ✘ दादी मा

4. ✘ बहन

Question Number : 14 Question Id : 16794315341 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If + means −, × means ÷, ÷ means +, and − means ×, then what is the value of  $320 \times 4 - 7 + 20 \div 38$ ?

Options :

1. ✓ 578

2. ✘ 585

3. ✘ 600

Question Number : 14 Question Id : 16794315341 Question 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 + का अर्थ - , × का अर्थ ÷, ÷ का अर्थ +, और - का अर्थ × है, तो  $320 \times 4 - 7 + 20 \div 38$  का मान क्या है?

Options :

1. ✓ 578

2. ✘ 585

3. ✘ 600

4. ✘ 582

Question Number : 15 Question Id : 16794315342 Question 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 group of donkey and ducks, the number of legs are 16 more than twice of the heads. Find the number of donkeys.

Options :

1. ✘ 6

2. ✘ 7

3. ✓ 8

4. ✘ 10

Question Number : 15 Question Id : 16794315342 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

गधों और बतखों के एक समूह में, पैरों की संख्या सिर के दुगने से 16 अधिक है। गधे की संख्या बताएँ।

Options :

1. ✘ 6

2. ✘ 7

3. ✓ 8

4. ✘ 10

Question Number : 16 Question Id : 16794315343 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The ratio between the present ages of A and B is 5 : 4. If A is 3 years older than B, what will be the ratio of the ages of A and B after 3 years?

Options :

1. ✗ 8 : 3

2. ✓ 6 : 5

3. ✗ 4 : 7

4. ✗ 2 : 1

Question Number : 16 Question Id : 16794315343 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A और B के वर्तमान उम्र का अनुपात 5 : 4 है। यदि A, B से 3 साल बड़ा है, तो 3 साल बाद A और B की उम्र का अनुपात क्या होगा?

Options :

1. ✗ 8 : 3

2. ✓ 6 : 5

3. ✗ 4 : 7

4. ✗ 2 : 1

Question Number : 17 Question Id : 16794315344 Question 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. ✗ Moon : Earth

2. ✓ Star : Galaxy

3. ✗ Wheel : Axle

4. ✗ Mercury : Sun

Question Number : 17 Question Id : 16794315344 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

शब्दों के विषम शब्द बताएँ।

Options :

1. ✘ चांद : पृथ्वी

2. ✓ तारा : तारामंडल

3. ✘ पहिया : धुरी

4. ✘ बुध : रवि

Question Number : 18 Question Id : 16794315345 Question 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. ✘ 8 - 128

2. ✘ 6 - 72

3. ✓ 7 - 100

4. ✘ 12 - 288

Question Number : 18 Question Id : 16794315345 Question 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. ✘ 8 : 128

2. ✘ 6 : 72

3. ✓ 7 : 100

4. ✘ 12 : 288

Question Number : 19 Question Id : 16794315346 Question 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 next term in the series?

4, 16, 36, 64, 100, ?

Options :

1. ✓ 144

2. ✗ 149

3. ✗ 153

4. ✗ 162

Question Number : 19 Question Id : 16794315346 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

शृंखला में अगला शब्द क्या होगा?

4, 16, 36, 64, 100

Options :

1. ✓ 144

2. ✗ 149

3. ✗ 153

4. ✗ 162

Question Number : 20 Question Id : 16794315347 Question 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 next term in the following series?

M, S, X, B, E, ?

Options :

1. ✗ F

2. ✗ K

3. ✗ T

4. ✓ G

Question Number : 20 Question Id : 16794315347 Question 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 अंगला शब्द क्या होगा?

M, S, X, B, E, ?

Options :

1. ✗ F

2. ✗ K

3. ✗ T

4. ✓ G

#### General Awareness

Group Number :	2
Group Id :	167943535
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20
Revisit allowed for group Instructions? :	Yes
Maximum Instruction Time:	0
Minimum Instruction Time:	0

#### General Awareness

Section Id :	167943600
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:	167943962
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 16794315348 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Vardhamana Mahavira was the \_\_\_\_\_ Tirthankara according to Jain tradition.

Options :

1. ✘ 23<sup>rd</sup>

2. ✓ 24<sup>th</sup>

3. ✘ 25<sup>th</sup>

4. ✘ 26<sup>th</sup>

Question Number : 21 Question Id : 16794315348 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

जैन धर्म की परंपरा के अनुसार वर्धमान महावीर \_\_\_\_\_ तीर्थकर थे।

Options :

1. ✘ 23 वें

2. ✓ 24 वें

3. ✘ 25 वें

4. ✘ 26 वें

Question Number : 22 Question Id : 16794315349 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Marriage between a bridegroom from a lower caste and bride from an upper caste is known as:

Options :

1. ✘ Gandharva Vivaha

2. ✘ Anuloma Vivaha

3. ✓ Pratiloma Vivaha

4. ✘ Asura Vivaha

Question Number : 22 Question Id : 16794315349 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

ऊंची जाति की दुल्हन और निचली जाति के दूल्हे की शादी को किस रूप में जाना जाता है?

Options :

1. ✘ गंधर्व विवाह
2. ✘ अनुलोम विवाह
3. ✓ प्रतिलोम विवाह
4. ✘ असुर विवाह

Question Number : 23 Question Id : 16794315350 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

\_\_\_\_\_ was considered to be most valuable possession in the Early Vedic Period.

Options :

1. ✘ Silver
2. ✘ Gold
3. ✘ Land
4. ✓ Cattle

Question Number : 23 Question Id : 16794315350 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

आदि वैदिक काल में \_\_\_\_\_ को सबसे मूल्यवान संपत्ति/वस्तु माना जाता था।

Options :

1. ✘ चांदी
2. ✘ सोना
3. ✘ भूमि
4. ✓ पशु

Question Number : 24 Question Id : 16794315351 Question 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 capital city of Mongolia located?

Options :

1. ✘ Maputo

2. ✓ Ulaanbaatar

3. ✘ Dakar

4. ✘ Almati

Question Number : 24 Question Id : 16794315351 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

मंगोलिया की राजधानी का नाम क्या है?

Options :

1. ✘ मापुटो

2. ✓ उलानबाटार

3. ✘ डकार

4. ✘ अलमाटी

Question Number : 25 Question Id : 16794315352 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'Kakarpara Project' is an irrigation project of which state?

Options :

1. ✘ Andhra Pradesh

2. ✘ Karnataka

3. ✓ Gujarat

4. ✘ Tamil Nadu

Question Number : 25 Question Id : 16794315352 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'ककरपारा परियोजना' किस राज्य की सिंचाई परियोजना है?

Options :

1. ✘ आंध्र प्रदेश

2. ✘ कर्नाटक

3. ✓ गुजरात

4. ✘ तमिलनाडु

Question Number : 26 Question Id : 16794315353 Question 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 article provides that the State shall endeavour to secure for living wage etc. for workers?

Options :

1. ✘ Article 38

2. ✘ Article 39

3. ✘ Article 41

4. ✓ Article 43

Question Number : 26 Question Id : 16794315353 Question 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 संविधान का कौन सा अनुच्छेद यह उपबंधित करता है कि राज्य मजदूरों के लिए आजीविका मजदूरी आदि सुरक्षित करने का प्रयास करेगा?

Options :

1. ✘ अनुच्छेद 38

2. ✘ अनुच्छेद 39

3. ✘ अनुच्छेद 41

4. ✓ अनुच्छेद 43

Question Number : 27 Question Id : 16794315354 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Which Part of the Indian Constitution specifies the list of Fundamental Duties?

Options :

1.  Part IV A

2.  Part IV

3.  Part VI

4.  Part IX A

Question Number : 27 Question Id : 16794315354 Question 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 संविधान का कौन सा भाग मौलिक कर्तव्यों की सूची विनिर्दिष्ट करता है?

Options :

1.  भाग IV A

2.  भाग IV

3.  भाग VI

4.  भाग IX A

Question Number : 28 Question Id : 16794315355 Question 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 which constitutional amendment Sindhi language was included as 15th regional language in the Eighth Schedule?

Options :

1.  19th Constitutional Amendment Act, 1966

2.  21st Constitutional Amendment Act, 1967

3.  24th Constitutional Amendment Act, 1971

4.  26th Constitutional Amendment Act, 1971

Question Number : 28 Question Id : 16794315355 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

किस संविधान संशोधन के जरिए सिधी भाषा को आठवीं अनुसूची में 15वीं क्षेत्रीय भाषा के रूप में शामिल किया गया था?

Options :

1.  19 वां संविधान संशोधन अधिनियम, 1966

2. ✓ 21 वां संविधान संशोधन अधिनियम, 1967

3. ✗ 24 वां संविधान संशोधन अधिनियम, 1971

4. ✗ 26 वां संविधान संशोधन अधिनियम, 1971

Question Number : 29 Question Id : 16794315356 Question 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 International Monetary Fund (IMF) has cut India's growth forecast for 2018 from 7.4% to \_\_\_\_\_.

Options :

1. ✗ 6.7%

2. ✗ 7.0%

3. ✗ 7.1%

4. ✓ 7.3%

Question Number : 29 Question Id : 16794315356 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अंतरराष्ट्रीय मुद्रा कोष (आई.एम.एफ.) ने 2018 में भारत के विकास पूर्वानुमान को 7 से घटाकर कितना कर दिया?

Options :

1. ✗ 6.7%

2. ✗ 7.0%

3. ✗ 7.1%

4. ✓ 7.3%

Question Number : 30 Question Id : 16794315357 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In which of the following public/private sector banks the Union Finance Ministry is planning NOT to infuse additional capital close to ₹ 11,336 crore by September 2018-end?

Options :

1. ✗ Andhra Bank

2. ✗ Allahabad Bank

3.  Axis Bank

4.  Punjab National Bank

Question Number : 30 Question Id : 16794315357 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

केंद्रीय वित्त मंत्रालय निम्नलिखित में से कौन सी सार्वजनिक/ निजी क्षेत्र की बैंक में सितंबर 2018 के अंत तक करीब ₹11,336 करोड़ रुपये की अतिरिक्त पूँजी नहीं डालने की योजना बना रहा है?

Options :

1.  आंध्र बैंक

2.  इलाहाबाद बैंक

3.  ऐक्सेस बैंक

4.  पंजाब नेशनल बैंक

Question Number : 31 Question Id : 16794315358 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Lambi is a folk dance associated with which state of India?

Options :

1.  Andhra Pradesh

2.  Karnataka

3.  Madhya Pradesh

4.  Arunachal Pradesh

Question Number : 31 Question Id : 16794315358 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

लाम्बी एक लोक नृत्य है, यह भारत के किस राज्य से संबंधित है?

Options :

1.  आंध्र प्रदेश

2.  कर्नाटक

3. ✘ मध्य प्रदेश

4. ✘ अरुणाचल प्रदेश

Question Number : 32 Question Id : 16794315359 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Indrani Rahman did not specialize in which one of the following dance forms?

Options :

1. ✘ Bharata Natyam

2. ✘ Kuchipudi

3. ✘ Kathakali

4. ✓ Kathak

Question Number : 32 Question Id : 16794315359 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

इंद्रानी रहमान ने निम्नलिखित में से किस नृत्य शैली में विशेषज्ञ नहीं हैं?

Options :

1. ✘ भरत नाट्यम

2. ✘ कुचिपुड़ी

3. ✘ कथकली

4. ✓ कथक

Question Number : 33 Question Id : 16794315360 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Buddhadev Dasgupta is a famous \_\_\_\_\_ player of India.

Options :

1. ✓ Sarod

2. ✘ Sitar

3. ✘ Shehnai

4. ✘ Veena

Question Number : 33 Question Id : 16794315360 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

बुद्धदेव दासगुप्त भारत का एक प्रसिद्ध \_\_\_\_\_ वादक है।

Options :

1. ✓ सरोद

2. ✘ सितार

3. ✘ शहनाई

4. ✘ वीणा

Question Number : 34 Question Id : 16794315361 Question 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 player was given the FIFA Young Player award in the 2018 World Cup?

Options :

1. ✘ Luka Modric

2. ✓ Kylian Mbappe

3. ✘ Antoine Griezmann

4. ✘ Paul Pogba

Question Number : 34 Question Id : 16794315361 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

2018 विश्वकप में फीफा यंग प्लेयर पुरस्कार किस खिलाड़ी को दिया गया था?

Options :

1. ✘ लुका मोड्रिक

2. ✓ किलियान एमबापे

3. ✘ एंटोनी गिज्मान

#### 4. \* पाँल पोगबा

Question Number : 35 Question Id : 16794315362 Question 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 total Grand Slam titles have been won by Serbia's Novak Djokovic?

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

Options :

1. 10th
2. 12th
3. 13th
4. 15th

Question Number : 35 Question Id : 16794315362 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सर्बिया के नोवाक जोकोविच ने कितने ग्रैंड स्लैम खिताब जीते हैं?

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

Options :

1. 10 वां
2. 12 वां
3. 13 वां
4. 15 वां

Question Number : 36 Question Id : 16794315363 Question 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 invented the Sulfa drugs?

Options :

1. \* F.G. Hopkins
2. \* Robert Koch

3. ✘ Roland Ross

4. ✓ Gerhard Domagk

Question Number : 36 Question Id : 16794315363 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सल्फा औषधियों का आविष्कार किसने किया?

Options :

1. ✘ एफ.जी. हॉपकिंस

2. ✘ रॉबर्ट कोच

3. ✘ रोलैंड रॉस

4. ✓ गेरहार्ड डोमक

Question Number : 37 Question Id : 16794315364 Question 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 headquarter of European Space Agency (ESA) situated?

Options :

1. ✓ Paris

2. ✘ London

3. ✘ Vienna

4. ✘ Brussels

Question Number : 37 Question Id : 16794315364 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

यूरोपीय स्पेस एजेंसी (ई.एस.ए.) का मुख्यालय कहां स्थित है?

Options :

1. ✓ पेरिस

2. ✘ लंडन

3. ✘ विद्युत

4. ✘ ब्रेसल्स

Question Number : 38 Question Id : 16794315365 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Indian Air Force (IAF) for first time will participate in multinational air exercise Pitch Black – 18 (PB-18) in: \_\_\_\_\_.

Options :

1. ✘ France

2. ✓ Australia

3. ✘ United States

4. ✘ Germany

Question Number : 38 Question Id : 16794315365 Question 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 वायुसेना (आई.ए.एफ.) पहली बार बहुराष्ट्रीय वायु अभ्यास पिच ब्लैक-18 (पीबी-18) में \_\_\_\_\_ में हिस्सा लेगी।

Options :

1. ✘ फ्रांस

2. ✓ ऑस्ट्रेलिया

3. ✘ संयुक्त राज्य अमेरिका

4. ✘ जर्मनी

Question Number : 39 Question Id : 16794315366 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Odisha Government has recently launched 'Green Mahanadi Mission', a plantation drive under which \_\_\_\_\_ saplings will be planted.

Options :

1. ✘ 1 crore

2. ✘ 1.5 crore

3. ✓ 2 crore

4. ✘ 3 crore

Question Number : 39 Question Id : 16794315366 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

ଓଡ଼ିଶା ସରକାର ନେ ହାଲ ହି ମେ 'ଗ୍ରୀନ ମହାନଦୀ ମିଶନ' କା ଶୁଭାରଂଭ କିଯା ହୈ, ଜିସମେ ଏକ ବୃକ୍ଷାରୋପଣ ଅଭିଯାନ ଜିସକେ ତହତ \_\_\_\_\_ ପୌଥେ ଲଗାଏ ଜାଏଗେ।

Options :

1. ✘ 1 କରୋଡ଼

2. ✘ 1.5 କରୋଡ଼

3. ✓ 2 କରୋଡ଼

4. ✘ 3 କରୋଡ଼

Question Number : 40 Question Id : 16794315367 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Scientists have developed world's fastest rotor, which can spin at more than \_\_\_\_\_ revolutions per minute, making it world's fastest man-made object.

Options :

1. ✓ 60 billion

2. ✘ 50 billion

3. ✘ 30 billion

4. ✘ 10 billion

Question Number : 40 Question Id : 16794315367 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

ବୈଜ୍ଞାନିକୋ ନେ ଦୁନିଆ କା ସବସେ ତେଜ୍ ରୋଟର (ଘୂର୍ଣ୍ଣକ) ବିକ୍ସିତ କିଯା ହୈ, ଜୋ ପ୍ରତି ମିନଟ \_\_\_\_\_ ଚକକର ସେ ଅଧିକ ସମୟ ତକ ଘୂମ ସକତା ହୈ, ଜିସସେ ଯହ ଦୁନିଆ କି ସବସେ ତେଜ୍ ମାନବ ନିର୍ମିତ ବସ୍ତୁ ବନ ଗର୍ଇ ହୈ।

Options :

1. ✓ 60 बिलियन

2. ✗ 50 बिलियन

3. ✗ 30 बिलियन

4. ✗ 10 बिलियन

#### Arithmetic Ability

Group Number :	3
Group Id :	167943536
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 :	167943601
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:	167943963
Question Shuffling Allowed :	Yes

Question Number : 41 Question Id : 16794315368 Question 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  $\frac{(78)^3 - (56)^3 - (12)^3 - 78 \times 36 \times 56}{(7.8)^2 - (5.6)^2 - (1.2)^2 + 7.8 \times 5.6 - 5.6 \times 1.2 + 1.2 \times 7.8}$  is:

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

Options :

1. 10
2. 100
3. 1000
4. 10000

Question Number : 41 Question Id : 16794315368 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$$\frac{(78)^3 - (56)^3 - (12)^3 - 78 \times 36 \times 56}{(7.8)^2 - (5.6)^2 - (1.2)^2 + 7.8 \times 5.6 - 5.6 \times 1.2 + 1.2 \times 7.8} \text{ का मान है:}$$

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

Options :

1. 10
2. 100
3. 1000
4. 10000

Question Number : 42 Question Id : 16794315369 Question 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  $1 + \frac{1}{1 + \frac{1}{2 + \frac{3}{1 + \frac{4}{5}}}}$  is equal to:

Options :

1.   $\frac{25}{14}$
2.   $\frac{14}{5}$

3.   $\frac{24}{11}$

4.   $\frac{14}{6}$

Question Number : 42 Question Id : 16794315369 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$1 + \frac{1}{1 + \frac{1}{2 + \frac{3}{1 + \frac{4}{5}}}}$  का मान किसके बराबर है:

Options :

1.   $\frac{25}{14}$

2.   $\frac{14}{5}$

3.   $\frac{24}{11}$

4.   $\frac{14}{6}$

Question Number : 43 Question Id : 16794315370 Question 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 and LCM of two numbers is 15 and 480 respectively. What is sum of their reciprocals?

Options :

1.   $\frac{31}{480}$

2.   $\frac{11}{160}$

3.   $\frac{1}{15}$

4.   $\frac{1}{32}$

Question Number : 43 Question Id : 16794315370 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

दो संख्याओं का महत्तम समापवर्तक (HCF) और लघुत्तम समावर्त्य (LCM) क्रमशः 15 और 480 है। उनके व्युत्क्रमों का योग क्या है?

Options :

1. ❌  $\frac{31}{480}$

2. ✓  $\frac{11}{160}$

3. ❌  $\frac{1}{15}$

4. ❌  $\frac{1}{32}$

Question Number : 44 Question Id : 16794315371 Question 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 digits of the greatest four digit number which when divided by 12, 28 and 33 leaves remainder 8 in each case is:

Options :

1. ❌ 20

2. ❌ 21

3. ❌ 22

4. ✓ 23

Question Number : 44 Question Id : 16794315371 Question 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 अंकों की महत्तम संख्या के अंकों का जोड़ क्या है जिसे 12, 28 और 33 से विभाजित करने पर प्रत्येक मामले में शेषफल 8 आता है:

Options :

1. ❌ 20

2. ❌ 21

3. ❌ 22

Question Number : 45 Question Id : 16794315372 Question 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  $a : b = 4 : 5$  and  $b : c = 3 : 8$ , then  $3a : 4b : 6c$  is equal to:

Options :

1. ✗ 5 : 3 : 20

2. ✗ 5 : 3 : 10

3. ✓ 3 : 5 : 20

4. ✗ 3 : 5 : 10

Question Number : 45 Question Id : 16794315372 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर  $a : b = 4 : 5$  और  $b : c = 3 : 8$ , है तो  $3a : 4b : 6c$  किसके बराबर है:

Options :

1. ✗ 5 : 3 : 20

2. ✗ 5 : 3 : 10

3. ✓ 3 : 5 : 20

4. ✗ 3 : 5 : 10

Question Number : 46 Question Id : 16794315373 Question 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 alloy of gold and silver contains 80% gold by weight. In 50 g of this alloy, how much silver should be added to make it an alloy with 75% gold?

Options :

1. ✓  $\frac{10}{3}$  g

2. ✗ 2.5 g

3. ✗  $\frac{16}{3}$  g

4. ✘ 5 g

Question Number : 46 Question Id : 16794315373 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

सोने और चांदी के मिश्र धातु में वजन में 80% सोना होता है। इस मिश्र धातु के 50 ग्राम में, 75% सोने के साथ मिश्र धातु बनाने के लिए कितनी चांदी मिलाई जानी चाहिए?

Options :

1. ✓  $\frac{10}{3}$  g

2. ✘ 2.5 g

3. ✘  $\frac{16}{3}$  g

4. ✘ 5 g

Question Number : 47 Question Id : 16794315374 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In an examination out of 400 students, 75% passed in physics and 65% passed in mathematics. If 18% failed in both subjects, how many students passed in both subjects?

Options :

1. ✘ 168

2. ✘ 196

3. ✘ 204

4. ✓ 232

Question Number : 47 Question Id : 16794315374 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

एक परीक्षा में 400 छात्रों में से, 75% छात्र भौतिकी में और 65% छात्र गणित में उत्तीर्ण हुए। यदि दोनों विषयों में 18% छात्र अनुत्तीर्ण रहे, तो दोनों विषयों में कितने छात्र उत्तीर्ण हुए?

Options :

1. ✘ 168

2. ✘ 196

3. ✘ 204

4. ✓ 232

Question Number : 48 Question Id : 16794315375 Question 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 selling 40 articles a person gains cost price of 4 articles. What is his gain percent?

Options :

1. ✘  $\frac{100}{11}\%$

2. ✓ 10%

3. ✘  $\frac{100}{9}\%$

4. ✘  $\frac{96}{11}\%$

Question Number : 48 Question Id : 16794315375 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

40 वस्तुएं बेचकर एक व्यक्ति को 4 वस्तुओं की लागत कीमत मिलती है। उसका लाभ प्रतिशत क्या है?

Options :

1. ✘  $\frac{100}{11}\%$

2. ✓ 10%

3. ✘  $\frac{100}{9}\%$

4. ✘  $\frac{96}{11}\%$

Question Number : 49 Question Id : 16794315376 Question 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 trader marks his goods 40% above cost price. He sells 50% of his stock at marked price, 20% stock at 20% discount and remaining at 25% discount on marked price. What is his overall gain percent?

Options :

1.  23.9%

2.  23.8%

3.  23.6%

4.  23.4%

Question Number : 49 Question Id : 16794315376 Question 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 व्यापारी अपनी वस्तुओं को लागत मूल्य से 40% ऊपर अंकित करता है। वह अपने स्टॉक का 50% अंकित मूल्य पर, 20% स्टॉक 20% छूट पर और शेष को अंकित मूल्य से 25% छूट पर बेचता है। उसका समग्र लाभ प्रतिशत क्या है?

Options :

1.  23.9%

2.  23.8%

3.  23.6%

4.  23.4%

Question Number : 50 Question Id : 16794315377 Question 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 takes a loan at simple interest of 8% per annum for first year with an increase of 0.4 in each subsequent year. If he paid ₹ 8428 as interest after 4 years, how much loan did he take?

Options :

1.  ₹ 23800

2.  ₹ 24000

3.  ₹ 24200

4.  ₹ 24500

Question Number : 50 Question Id : 16794315377 Question 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 प्रत्येक आगामी वर्ष के लिए 0.4 की वृद्धि के साथ 8% प्रति वर्ष के साधारण ब्याज पर ऋण लेता है। अगर उसने 4 साल बाद ब्याज के रूप में ₹ 8428 का भुगतान किया, तो उसके कितना ऋण लिया था?

Options :

1. ✗ ₹ 23800

2. ✗ ₹ 24000

3. ✗ ₹ 24200

4. ✓ ₹ 24500

Question Number : 51 Question Id : 16794315378 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The difference between compound interest and simple interest on ₹ 4800 for 2 years is ₹ 30.72. What is the rate of interest per annum?

Options :

1. ✗ 7%

2. ✗ 7.5%

3. ✓ 8%

4. ✗ 10%

Question Number : 51 Question Id : 16794315378 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

₹ 4800 पर 2 वर्षों के चक्रवृद्धि ब्याज और साधारण ब्याज के बीच अंतर ₹ 30.72 है। वार्षिक ब्याज दर क्या है?

Options :

1. ✗ 7%

2. ✗ 7.5%

3. ✓ 8%

4. ✗ 10%

Question Number : 52 Question Id : 16794315379 Question 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 12 cm, 35 cm and 37 cm. What is the shortest altitude of the triangle? (Correct to one decimal place)?

Options :

1. ✗ 12 cm

2. ✓ 11.4 cm

3. ✗ 11.5 cm

4. ✗ 11.6 cm

Question Number : 52 Question Id : 16794315379 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

त्रिकोण की भुजाएं 12 cm, 35 cm और 37 cm हैं। त्रिकोण का सबसे छोटा शीर्ष लम्ब क्या है। (दशमलव के एक स्थान तक सही)?

Options :

1. ✗ 12 cm

2. ✓ 11.4 cm

3. ✗ 11.5 cm

4. ✗ 11.6 cm

Question Number : 53 Question Id : 16794315380 Question 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 sums of dimensions of a cuboid are 23 cm and its diagonal is  $3\sqrt{21}$  cm. what is the total surface area of the cuboid?

Options :

1. ✓ 340 cm<sup>2</sup>

2. ✗ 350 cm<sup>2</sup>

3. ✗ 360 cm<sup>2</sup>

4. ✗ 375 cm<sup>2</sup>

Question Number : 53 Question Id : 16794315380 Question 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 घनाब की लम्बाई चौड़ाई का जोड़ 23 cm है और इसका विकर्ण  $3\sqrt{21}$  cm है। घनाब का कुल सतह क्षेत्रफल क्या है?

Options :

1. ✓ 340 cm<sup>2</sup>

2. ✘ 350 cm<sup>2</sup>

3. ✘ 360 cm<sup>2</sup>

4. ✘ 375 cm<sup>2</sup>

Question Number : 54 Question Id : 16794315381 Question 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 without stoppage travels at an average speed of 80 km/h and with stoppage it travels at 68 km/h. how many minutes does the train stop on an average per hour?

Options :

1. ✓ 9

2. ✘ 10

3. ✘ 12

4. ✘ 15

Question Number : 54 Question Id : 16794315381 Question 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 ट्रेन बिना ठहराव के 80 km/hr की औसत गति से चलती है, जबकि ठहराव के साथ, यह 60 km/hr की गति से चलती है। ट्रेन प्रति घंटा औसतन कितने मिनट रुकती है?

Options :

1. ✓ 8

2. ✘ 10

3. ✘ 12

4. ✘ 15

Question Number : 55 Question Id : 16794315382 Question 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 speed of a boat in still water is 7 km/h. it can go 4.5 km upstream and return downstream to original point in  $\frac{7}{5}$  hours. What is the speed of the stream in km/h?

Options :

1. ✘ 1.5

2. ✓ 2

3. ✗ 2.5

4. ✗ 3

Question Number : 55 Question Id : 16794315382 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

स्थिर पानी में एक नाव की गति 7 km/hr है। यह  $\frac{7}{5}$  घंटे में धारा के प्रतिकूल 4.5 किमी जा सकती है और धारा की ओर मूल बिंदु पर लौट सकती है। धारा की गति km/hr में क्या है?

Options :

1. ✗ 1.5

2. ✓ 2

3. ✗ 2.5

4. ✗ 3

Question Number : 56 Question Id : 16794315383 Question 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 2 men or 3 boys can complete a work in 48 hours, then 4 men and 2 boys will complete same work in how many hours?

Options :

1. ✗ 14

2. ✗ 16

3. ✓ 18

4. ✗ 20

Question Number : 56 Question Id : 16794315383 Question 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 2 पुरुष या 3 बच्चे 48 घंटे में एक काम को पूरा कर सकते हैं, तो 4 पुरुष और 2 बच्चे कितने घंटे में उसी काम को पूरा कर देंगे?

Options :

1. ✗ 14

2. ✗ 16

3. ✓ 18

4. ✗ 20

Question Number : 57 Question Id : 16794315384 Question 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 and B can do a piece of work in 12 days and 20 days respectively. They started the work together but A left after some days and B completed the remaining work in 12 days. After how many days did A leave?

Options :

1. ✗ 2

2. ✓ 3

3. ✗ 4

4. ✗ 5

Question Number : 57 Question Id : 16794315384 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A और B काम का एक हिस्सा क्रमशः 12 दिन और 18 दिन में पूरा कर सकते हैं। उन्होंने एक साथ काम शुरू किया, लेकिन कुछ दिनों के बाद A ने छोड़ दिया और B ने शेष काम 8 दिन में पूरा कर लिया। A ने कितने दिनों के बाद छोड़ा?

Options :

1. ✗ 3

2. ✓ 4

3. ✗ 5

4. ✗ 6

Sub-Section Number:	2
Sub-Section Id:	167943964
Question Shuffling Allowed :	Yes

Question Id : 16794315385 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (58 to 60)

Question Label : Comprehension

The following tables gives the sale of number of apples in 5 shops A, B, C, D and E. Read the table and answer the following questions.

Shops	A	B	C	D	E
No. of Apples sold	860	760	1380	820	X

Sub questions

Question Number : 58 Question Id : 16794315386 Question 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 average sale was 840, including E, what was the total sale in shop E?

Options :

1.  380
2.  390
3.  410
4.  420

Question Number : 59 Question Id : 16794315387 Question 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 total sale in shops A and B is what percent of total sale in shops A, B, C and D (correct to one decimal place)?

Options :

1.  38%
2.  41.8%
3.  42.4%
4.  42.6%

Question Number : 60 Question Id : 16794315388 Question 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 above information was given as Pie-chart, what will be the central angle of sector representing the sale in the shop B to nearest whole degree assume that total sale of apples sold by Shop E is 380?

Options :

1. ✗ 62°

2. ✓ 65°

3. ✗ 66°

4. ✗ 68°

Question Id : 16794315385 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (58 to 60)

Question Label : Comprehension

निम्नलिखित सारणी 5 दुकानों A, B, C, D और E में सेब की संख्या की बिक्री बताती है। सारणी पढ़ें और निम्नलिखित प्रश्नों का उत्तर दें।

दुकानें	A	B	C	D	E
बेचे गए सेब	860	760	1380	820	X

Sub questions

Question Number : 58 Question Id : 16794315386 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

E सहित यदि औसत बिक्री 840 थी, तो दुकान E में कुल बिक्री क्या थी?

Options :

1. ✓ 380

2. ✗ 390

3. ✗ 410

4. ✗ 420

Question Number : 59 Question Id : 16794315387 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

दुकानों A और B की कुल बिक्री दुकानों A, B, C और D की कुल बिक्री का कितना प्रतिशत है (एक दशमलव स्थान तक सही)?

Options :

1. ✗ 38%

2. ✗ 41.8%

3. ✓ 42.4%

4. ✗ 42.6%

Question Number : 60 Question Id : 16794315388 Question 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 उपर्युक्त जानकारी पाई-चार्ट के रूप में दी गई थी, मान लें कि दुकान E द्वारा बेचे गए सेबों की कुल संख्या 380 है तो शॉप B में बिक्री दर्शाने वाले क्षेत्र का केंद्रीय कोण निकटतम पूर्णांक में क्या होगा?

Options :

1. ✗ 62°

2. ✓ 65°

3. ✗ 66°

4. ✗ 68°

#### General English

Group Number :

4

Group Id :

167943537

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 :	167943602
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:	167943965
Question Shuffling Allowed :	Yes

Question Number : 61 Question Id : 16794315389 Question 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 options is a complete sentence? Identify it.

Options :

1.  Rice and Curry.
2.  The bird on the tree.
3.  Folk tales.
4.  There's always light at the end of the tunnel.

Question Number : 61 Question Id : 16794315389 Question 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 options is a complete sentence? Identify it.

Options :

1.  Rice and Curry.
2.  The bird on the tree.
3.  Folk tales.
4.  There's always light at the end of the tunnel.

Question Number : 62 Question Id : 16794315390 Question 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 a suitable beginning for this sentence. \_\_\_\_\_, the attendance in schools didn't drop.

Options :

1. ✘ And heavy rains
2. ✘ In spite heavy rains
3. ✓ Despite heavy rains
4. ✘ Although heavy rains

Question Number : 62 Question Id : 16794315390 Question 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 a suitable beginning for this sentence. \_\_\_\_\_, the attendance in schools didn't drop.

Options :

1. ✘ And heavy rains
2. ✘ In spite heavy rains
3. ✓ Despite heavy rains
4. ✘ Although heavy rains

Question Number : 63 Question Id : 16794315391 Question 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 sentence makes most sense?

Options :

1. ✓ Since he's lost his money, he couldn't go to the restaurant.
2. ✘ Since he's loss his money, he couldn't go to the restaurant.
3. ✘ Since he's lost he money, he couldn't got to the restaurant.
4. ✘ Since he's lost his money, he go to the restaurant.

Question Number : 63 Question Id : 16794315391 Question 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 sentence makes most sense?

Options :

1.  Since he's lost his money, he couldn't go to the restaurant.
2.  Since he's loss his money, he couldn't go to the restaurant.
3.  Since he's lost he money, he couldn't got to the restaurant.
4.  Since he's lost his money, he go to the restaurant.

Question Number : 64 Question Id : 16794315392 Question 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 we meet him next Monday at 4 PM he \_\_\_\_\_

Options :

1.  will be preparing to leave Hyderabad.
2.  will preparing to leave Hyderabad.
3.  will be preparing to leaving Hyderabad.
4.  will be prepare to leave Hyderabad.

Question Number : 64 Question Id : 16794315392 Question 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 we meet him next Monday at 4 PM he \_\_\_\_\_

Options :

1.  will be preparing to leave Hyderabad.
2.  will preparing to leave Hyderabad.
3.  will be preparing to leaving Hyderabad.
4.  will be prepare to leave Hyderabad.

Question Number : 65 Question Id : 16794315393 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

He has \_\_\_\_\_ his goals.

Options :

1. ✘ accomplishing

2. ✓ to accomplish

3. ✘ to accomplishing

4. ✘ to be accomplish

Question Number : 65 Question Id : 16794315393 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

He has \_\_\_\_\_ his goals.

Options :

1. ✘ accomplishing

2. ✓ to accomplish

3. ✘ to accomplishing

4. ✘ to be accomplish

Question Number : 66 Question Id : 16794315394 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

“ Will it rain today”, the tourist said.

The tourist \_\_\_\_\_ (Reported Speech would be)

Options :

1. ✘ enquired whether it rains that day.

2. ✘ enquired whether it would rain today.

3. ✘ enquired whether it could rain that day.

4. ✓ enquired whether it would rain that day.

Question Number : 66 Question Id : 16794315394 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

“ Will it rain today”, the tourist said.

The tourist \_\_\_\_\_ (Reported Speech would be)

Options :

1. ✘ enquired whether it rains that day.
2. ✘ enquired whether it would rain today.
3. ✘ enquired whether it could rain that day.
4. ✓ enquired whether it would rain that day.

Question Number : 67 Question Id : 16794315395 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

He plays soccer so well, \_\_\_\_\_

( Provide the appropriate question tag)

Options :

1. ✘ Isn't he?
2. ✓ Doesn't he?
3. ✘ Can't he?
4. ✘ Aren't he?

Question Number : 67 Question Id : 16794315395 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

He plays soccer so well, \_\_\_\_\_

( Provide the appropriate question tag)

Options :

1. ✘ Isn't he?
2. ✓ Doesn't he?
3. ✘ Can't he?
4. ✘ Aren't he?

Question Number : 68 Question Id : 16794315396 Question 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 Police displayed the items retrieved from the robber.  
(Provide the appropriate synonym for the underlined word)

Options :

1.  exhibited
2.  concealed
3.  Heightened
4.  Paused

Question Number : 68 Question Id : 16794315396 Question 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 Police displayed the items retrieved from the robber.

(Provide the appropriate synonym for the underlined word)

Options :

1.  exhibited
2.  concealed
3.  Heightened
4.  Paused

Question Number : 69 Question Id : 16794315397 Question 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 engineer designed a new software for retailers.

(Provide the appropriate synonym for the underlined word)

Options :

1.  Reasoned
2.  Developed
3.  Prevented
4.  Renovated

Question Number : 69 Question Id : 16794315397 Question 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 engineer designed a new software for retailers.

(Provide the appropriate synonym for the underlined word)

Options :

1. ✘ Reasoned

2. ✓ Developed

3. ✘ Prevented

4. ✘ Renovated

Question Number : 70 Question Id : 16794315398 Question 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 parts of the sentence in meaningful and grammatically correct order.

- A. Home food is certainly the best option to eat hygienic food.
- B. Therefore, occasionally eating out is advisable, not regularly.
- C. However, hygienic food is not served at every eatery.
- D. Eating out has become a common practice nowadays.
- E. To conclude, those who eat out on a regular basis are at risk of various ailments.

Options :

1. ✘ BACDE

2. ✘ EDCAB

3. ✓ DCABE

4. ✘ CDABC

Question Number : 70 Question Id : 16794315398 Question 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 parts of the sentence in meaningful and grammatically correct order.

- A. Home food is certainly the best option to eat hygienic food.
- B. Therefore, occasionally eating out is advisable, not regularly.
- C. However, hygienic food is not served at every eatery.
- D. Eating out has become a common practice nowadays.
- E. To conclude, those who eat out on a regular basis are at risk of various ailments.

Options :

1. ✘ BACDE

2. ✘ EDCAB

3. ✓ DCABE

4. ✘ CDABC

Question Number : 71 Question Id : 16794315399 Question 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 new teacher was welcomed by a boisterous crowd.

(Provide the appropriate antonym for the underlined word)

Options :

1.  Brisk
2.  Huge
3.  Silent
4.  Posthaste

Question Number : 71 Question Id : 16794315399 Question 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 new teacher was welcomed by a boisterous crowd.

(Provide the appropriate antonym for the underlined word)

Options :

1.  Brisk
2.  Huge
3.  Silent
4.  Posthaste

Question Number : 72 Question Id : 16794315400 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

People praise him for his honesty.

(Provide the appropriate antonym for the underlined word)

Options :

1.  Intricate
2.  deceit
3.  Rough
4.  Stingy

Question Number : 72 Question Id : 16794315400 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

People praise him for his honesty.

(Provide the appropriate antonym for the underlined word)

Options :

1. ✘ Intricate

2. ✓ deceit

3. ✘ Rough

4. ✘ Stingy

Question Number : 73 Question Id : 16794315401 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

He was \_\_\_\_\_ me in the queue.

(Choose the correct preposition)

Options :

1. ✘ About

2. ✘ from

3. ✓ behind

4. ✘ inside

Question Number : 73 Question Id : 16794315401 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

He was \_\_\_\_\_ me in the queue.

(Choose the correct preposition)

Options :

1. ✘ About

2. ✘ from

3. ✓ behind

4. ✘ inside

Question Number : 74 Question Id : 16794315402 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

\_\_\_\_\_ Raj, no one was present in the room.

(Choose the correct preposition)

Options :

1.  Besides

2.  Beside

3.  Within

4.  Below

Question Number : 74 Question Id : 16794315402 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

\_\_\_\_\_ Raj, no one was present in the room.

(Choose the correct preposition)

Options :

1.  Besides

2.  Beside

3.  Within

4.  Below

Question Number : 75 Question Id : 16794315403 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

\_\_\_\_\_ he reforms himself, no one is going to trust him. (Provide the appropriate conjunction)

Options :

1.  Either

2.  Nor

3.  Despite

4.  Unless

Question Number : 75 Question Id : 16794315403 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

\_\_\_\_\_ he reforms himself, no one is going to trust him. (Provide the appropriate conjunction)

Options :

1.  Either
2.  Nor
3.  Despite
4.  Unless

**Sub-Section Number:** 2  
**Sub-Section Id:** 167943966  
**Question Shuffling Allowed :** Yes

**Question Id : 16794315404 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No**

**Question Numbers : (76 to 80)**

**Question Label : Comprehension**

Read the following passage and answer the questions that follow.

A climate sceptic has said that it is now time to end the debate over whether global warming is real after the most definitive study into temperature data gathered by weather stations over the past half-century.

Professor Richard Muller, a physicist at the University of California, Berkeley, who has been an outspoken critic of the science underpinning global warming, said that there is little doubt in his mind the phenomenon of rising land temperatures is real. Over the past two years, he has chaired a group of scientists who have carried out an exhaustive analysis of more than 1.6 billion temperature recordings collected from more than 39,000 weather stations at land sites around the world.

The Berkeley Earth Surface Temperature (Best) study was set up to test the findings of other studies and was part-funded by US billionaire brothers Charles and David Koch.

"When we began our study, we felt that sceptics had raised legitimate issues, and we didn't know what we'd find. Our results turned out to be close to those published by prior groups. We think that means that those groups had truly been very careful in their work, despite their inability to convince some sceptics of that," Professor Muller said.

#### Sub questions

Question Number : 76 Question Id : 16794315405 Question 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 author says that the debate should end. The debate he is referring to is:

#### Options :

- the debate over whether global warming is real.
- the debate over whether global warming is temporary.
- the debate over whether global warming is surrealism or not.

4. ✘ the debate over whether global warming is fickle.

Question Number : 77 Question Id : 16794315406 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘Exhaustive’ in the context of the passage means:

Options :

1. ✘ Compact
2. ✘ concept
3. ✓ complete
4. ✘ competitive

Question Number : 78 Question Id : 16794315407 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘BEST’ was set up for this purpose:

Options :

1. ✘ test the findings of other opinions related to global warming.
2. ✓ test the findings of other studies related to global warming.
3. ✘ test the findings of other students related to global warming.
4. ✘ test the findings of other factors related to global warming.

Question Number : 79 Question Id : 16794315408 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

At the beginning of the last paragraph, the author mentions that his team was \_\_\_\_\_ about the findings.

Options :

1. ✘ Unreal
2. ✘ Uncharacteristic
3. ✘ Unfriendly

4.  Unsure

Question Number : 80 Question Id : 16794315409 Question 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 conclusion of Richard Muller's analysis is:

Options :

1.  Prior analysts had truly been very careless in their work
2.  Prior analysts had truly been very careful in their work
3.  Prior analysts had truly been very cared for in their work
4.  Prior analysts had truly been very independent in their work

Question Id : 16794315404 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (76 to 80)

Question Label : Comprehension

Read the following passage and answer the questions that follow.

A climate sceptic has said that it is now time to end the debate over whether global warming is real after the most definitive study into temperature data gathered by weather stations over the past half-century.

Professor Richard Muller, a physicist at the University of California, Berkeley, who has been an outspoken critic of the science underpinning global warming, said that there is little doubt in his mind the phenomenon of rising land temperatures is real. Over the past two years, he has chaired a group of scientists who have carried out an exhaustive analysis of more than 1.6 billion temperature recordings collected from more than 39,000 weather stations at land sites around the world.

The Berkeley Earth Surface Temperature (Best) study was set up to test the findings of other studies and was part-funded by US billionaire brothers Charles and David Koch.

"When we began our study, we felt that sceptics had raised legitimate issues, and we didn't know what we'd find. Our results turned out to be close to those published by prior groups. We think that means that those groups had truly been very careful in their work, despite their inability to convince some sceptics of that," Professor Muller said.

#### Sub questions

Question Number : 76 Question Id : 16794315405 Question 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 author says that the debate should end. The debate he is referring to is:

#### Options :

- the debate over whether global warming is real.
- the debate over whether global warming is temporary.
- the debate over whether global warming is surrealism or not.

4. ✘ the debate over whether global warming is fickle.

Question Number : 77 Question Id : 16794315406 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘Exhaustive’ in the context of the passage means:

Options :

1. ✘ Compact
2. ✘ concept
3. ✓ complete
4. ✘ competitive

Question Number : 78 Question Id : 16794315407 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘BEST’ was set up for this purpose:

Options :

1. ✘ test the findings of other opinions related to global warming.
2. ✓ test the findings of other studies related to global warming.
3. ✘ test the findings of other students related to global warming.
4. ✘ test the findings of other factors related to global warming.

Question Number : 79 Question Id : 16794315408 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

At the beginning of the last paragraph, the author mentions that his team was \_\_\_\_\_ about the findings.

Options :

1. ✘ Unreal
2. ✘ Uncharacteristic
3. ✘ Unfriendly

4.  Unsure

Question Number : 80 Question Id : 16794315409 Question 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 conclusion of Richard Muller's analysis is:

Options :

1.  Prior analysts had truly been very careless in their work
2.  Prior analysts had truly been very careful in their work
3.  Prior analysts had truly been very cared for in their work
4.  Prior analysts had truly been very independent in their work

General Hindi

Group Number : 5  
Group Id : 167943538  
Group Maximum Duration : 0  
Group Minimum Duration : 0  
Revisit allowed for view? : No  
Revisit allowed for edit? : No  
Break time: 0  
Group Marks: 20  
Revisit allowed for group Instructions? : Yes  
Maximum Instruction Time: 0  
Minimum Instruction Time: 0

General Hindi

Section Id : 167943603  
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: 167943967  
Question Shuffling Allowed : Yes

Question Number : 81 Question Id : 16794315410 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अनुस्वार के स्थान पर 'ए' का प्रयोग कौन-से शब्द में हो सकता है?

Options :

1. ✓ कुंठा

2. ✗ कंधा

3. ✗ कंचा

4. ✗ कंथा

Question Number : 81 Question Id : 16794315410 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अनुस्वार के स्थान पर 'ए' का प्रयोग कौन-से शब्द में हो सकता है?

Options :

1. ✓ कुंठा

2. ✗ कंधा

3. ✗ कंचा

4. ✗ कंथा

Question Number : 82 Question Id : 16794315411 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

'ड' वर्ण के बाद कौन-सा वर्ण आता है?

Options :

1. ✗ ल

2. ✓ च

3. ✗ ध

4. ✗ न

Question Number : 82 Question Id : 16794315411 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘ड’ वर्ण के बाद कौन-सा वर्ण आता है?

Options :

1. ✗ ल

2. ✓ च

3. ✗ ध

4. ✗ न

Question Number : 83 Question Id : 16794315412 Question 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?

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

Options :

1. श्रीमती

2. अनावश्यक

3. बुद्धिमती

4. विदुषी

Question Number : 83 Question Id : 16794315412 Question 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?

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

Options :

1. श्रीमती

2. अनावश्यक

3. बुद्धिमती

4. विदुषी

Question Number : 84 Question Id : 16794315413 Question 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 और मेरा आई, दोनों ही जा रहे हैं।’ वाक्य में कौन-सा काल है?

Options :

1. ✓ अपूर्ण वर्तमान

2. ✗ पूर्ण भूत

3. ✗ भविष्य

4. ✗ आसन्न भूत

Question Number : 84 Question Id : 16794315413 Question 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 और मेरा आई, दोनों ही जा रहे हैं।’ वाक्य में कौन-सा काल है?

Options :

1. ✓ अपूर्ण वर्तमान

2. ✗ पूर्ण भूत

3. ✗ भविष्य

4. ✗ आसन्न भूत

Question Number : 85 Question Id : 16794315414 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘वह सोमवार को आएगी।’ वाक्य का कारक है:

Options :

1. ✗ अपादान

2. ✗ संबंध

3.  अधिकारक

4.  कर्म

Question Number : 85 Question Id : 16794315414 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘वह सोमवार को आएगी।’ वाक्य का कारक है:

Options :

1.  अपादान

2.  संबंध

3.  अधिकारक

4.  कर्म

Question Number : 86 Question Id : 16794315415 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘अत्यंत’ शब्द में कौन-सी संधि है?

Options :

1.  वृद्धि

2.  अयादी

3.  गुण

4.  यण

Question Number : 86 Question Id : 16794315415 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘अत्यंत’ शब्द में कौन-सी संधि है?

Options :

1.  वृद्धि

2.  अयादी

3. ✘ गुण

4. ✓ यण्

Question Number : 87 Question Id : 16794315416 Question 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 यथासंभव कार्य करूँगा।’ वाक्य के रेखांकित शब्द में समास है:

Options :

1. ✘ तत्पुरूष

2. ✓ अव्ययीभाव

3. ✘ कर्मधारय

4. ✘ द्विगु

Question Number : 87 Question Id : 16794315416 Question 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 यथासंभव कार्य करूँगा।’ वाक्य के रेखांकित शब्द में समास है:

Options :

1. ✘ तत्पुरूष

2. ✓ अव्ययीभाव

3. ✘ कर्मधारय

4. ✘ द्विगु

Question Number : 88 Question Id : 16794315417 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘प्रत्याहार’ शब्द में उपसर्ग है:

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

Options :

1. अ

2. प्र

3. प्रा

4. प्रत्या

Question Number : 88 Question Id : 16794315417 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘प्रत्याहार’ शब्द में उपसर्ग है:

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

Options :

1. अ

2. प्र

3. प्रा

4. प्रत्या

Question Number : 89 Question Id : 16794315418 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘मौलिकता’ में मूल शब्द है:

Options :

1. ✘ मौलि

2. ✓ मूल

3. ✘ मौल

4. ✘ मौलिक

Question Number : 89 Question Id : 16794315418 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘मौलिकता’ में मूल शब्द है:

Options :

1. ✘ मौलि

2. ✓ मूल

3. ✗ मौल

4. ✗ मौलिक

Question Number : 90 Question Id : 16794315419 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘वाह! क्या जवानी है।’ वाक्य में रेखांकित पद है:

Options :

1. ✓ भाववाचक संज्ञा

2. ✗ गुणवाचक विशेषण

3. ✗ पुरुषवाचक सर्वनाम

4. ✗ संबंधबोधक अट्यय

Question Number : 90 Question Id : 16794315419 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘वाह! क्या जवानी है।’ वाक्य में रेखांकित पद है:

Options :

1. ✓ भाववाचक संज्ञा

2. ✗ गुणवाचक विशेषण

3. ✗ पुरुषवाचक सर्वनाम

4. ✗ संबंधबोधक अट्यय

Question Number : 91 Question Id : 16794315420 Question 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. ✓ आजा

2. ✗ सफेद

3. ✗ रुख

4. ✗ नाक

Question Number : 91 Question Id : 16794315420 Question 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. ✓ आजा

2. ✗ सफेद

3. ✗ रुख

4. ✗ नाक

Question Number : 92 Question Id : 16794315421 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

तद्रव शब्द कौन-सा है?

Options :

1. ✓ हरा

2. ✗ कृष्ण

3. ✗ रक्त

4. ✗ श्वेत

Question Number : 92 Question Id : 16794315421 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

तद्रव शब्द कौन-सा है?

Options :

1. ✓ हरा

2. ✘ कृष्ण

3. ✘ रक्त

4. ✘ श्वेत

Question Number : 93 Question Id : 16794315422 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘जो बिना वेतन के काम करता हो।’ इसके लिए एक शब्द होता है:

Options :

1. ✘ वेतन भोगी

2. ✘ वैतनिक

3. ✓ अवैतनिक

4. ✘ अनुचर

Question Number : 93 Question Id : 16794315422 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘जो बिना वेतन के काम करता हो।’ इसके लिए एक शब्द होता है:

Options :

1. ✘ वेतन भोगी

2. ✘ वैतनिक

3. ✓ अवैतनिक

4. ✘ अनुचर

Question Number : 94 Question Id : 16794315423 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘इच्छा’ शब्द का विलोम होगा:

Options :

1. ✘ ऐषणा

2. ✘ चाहत

3. ✘ अनचाह

4. ✓ अनिच्छा

Question Number : 94 Question Id : 16794315423 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘इच्छा’ शब्द का विलोम होगा:

Options :

1. ✘ ऐषणा

2. ✘ चाहत

3. ✘ अनचाह

4. ✓ अनिच्छा

Question Number : 95 Question Id : 16794315424 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘रात्रि’ का पर्यायवाची नहीं है:

Options :

1. ✘ निशा

2. ✘ विभावरी

3. ✓ तमस

4. ✘ रजनी

Question Number : 95 Question Id : 16794315424 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘रात्रि’ का पर्यायवाची नहीं है:

Options :

1. ✘ निशा

2. ✘ विभावरी

3. ✓ तमस

4. ✘ रजनी

Question Number : 96 Question Id : 16794315425 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘कवि’ शब्द के उपयुक्त बहुवचन से रिक्त स्थान भरिए।

काट्य मंच पर \_\_\_\_\_ कविता पाठ करते हैं।

Options :

1. ✘ कवियों

2. ✓ कवि

3. ✘ कवियो

4. ✘ कवियें

Question Number : 96 Question Id : 16794315425 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘कवि’ शब्द के उपयुक्त बहुवचन से रिक्त स्थान भरिए।

काट्य मंच पर \_\_\_\_\_ कविता पाठ करते हैं।

Options :

1. ✘ कवियों

2. ✓ कवि

3. ✘ कवियो

4. ✘ कवियें

Question Number : 97 Question Id : 16794315426 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

आवाच्य वाला वाक्य छाँटिए।

Options :

1.  अब, चला जाय।
2.  तुम जाकर काम कर लो।
3.  पाठ्य-पढ़ाना अच्छी बात है।
4.  भोजन बड़ा ही स्वादिष्ट है।

Question Number : 97 Question Id : 16794315426 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

आवाच्य वाला वाक्य छाँटिए।

Options :

1.  अब, चला जाय।
2.  तुम जाकर काम कर लो।
3.  पाठ्य-पढ़ाना अच्छी बात है।
4.  भोजन बड़ा ही स्वादिष्ट है।

Question Number : 98 Question Id : 16794315427 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘दाँत खट्टे करना’ मुहावरा का अर्थ है:

Options :

1.  हरा देना
2.  मुश्किल पैदा कर देना
3.  खुशियाँ मनाना
4.  आश्चर्य चकित होना

Question Number : 98 Question Id : 16794315427 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘दॉत खट्टे करना’ मुहावरा का अर्थ है:

Options :

1. ✓ हरा देना
2. ✗ मुश्किल पैदा कर देना
3. ✗ खुशियाँ मनाना
4. ✗ आश्चर्य चकित होना

Question Number : 99 Question Id : 16794315428 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘मूर्ख लेकिन धनवान’ के लिए लोकोक्ति है:

Options :

1. ✗ अधजल गगरी छलकत जाए
2. ✓ आँख के अंधे गाँठ के पूरे
3. ✗ आम के आम गुठलियों के दाम
4. ✗ कहाँ राजा भोज कहाँ गँगू तेली

Question Number : 99 Question Id : 16794315428 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

‘मूर्ख लेकिन धनवान’ के लिए लोकोक्ति है:

Options :

1. ✗ अधजल गगरी छलकत जाए
2. ✓ आँख के अंधे गाँठ के पूरे
3. ✗ आम के आम गुठलियों के दाम
4. ✗ कहाँ राजा भोज कहाँ गँगू तेली

Question Number : 100 Question Id : 16794315429 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अशुद्ध वाक्य छाँटिए।

Options :

1.  उन सबों को बुला लीजिए।

2.  मैं अकेला ही कर लूँगा।

3.  सौंदर्य मोहक होता है।

4.  तुम दिल्ली कब जाओगे?

Question Number : 100 Question Id : 16794315429 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अशुद्ध वाक्य छाँटिए।

Options :

1.  उन सबों को बुला लीजिए।

2.  मैं अकेला ही कर लूँगा।

3.  सौंदर्य मोहक होता है।

4.  तुम दिल्ली कब जाओगे?

#### Subject Related

Group Number :

6

Group Id :

167943539

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 :	167943604
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:	167943968
Question Shuffling Allowed :	Yes

Question Number : 101 Question Id : 16794315430 Question 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 non-terminating but recurring decimal is:

Options :

1.  A rational number
2.  An integer
3.  A natural number
4.  A whole number

Question Number : 101 Question Id : 16794315430 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

समाप्त न होने वाला लेकिन आवर्ती दशमलव है:

Options :

1.  परिमेय संख्या
2.  पूर्णांक
3.  प्राकृत संख्या
4.  पूर्ण संख्या

Question Number : 102 Question Id : 16794315431 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$(0.\overline{11} + 0.\overline{22}) \times 3$  is equal to:

Options :

1. ✗ 3

2. ✗ 1.9

3. ✓ 1

4. ✗ 0.3

Question Number : 102 Question Id : 16794315431 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$(0.\overline{11} + 0.\overline{22}) \times 3$  बराबर है:

Options :

1. ✗ 3

2. ✗ 1.9

3. ✓ 1

4. ✗ 0.3

Question Number : 103 Question Id : 16794315432 Question 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 fraction whose denominator is 30 and placed between  $\frac{5}{8}$  and  $\frac{7}{11}$  is:

Options :

1. ✗  $\frac{18}{30}$

2. ✓  $\frac{19}{30}$

3. ✗  $\frac{20}{30}$

4.   $\frac{21}{30}$

Question Number : 103 Question Id : 16794315432 Question 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 अंश जिसका हर 30 है और  $\frac{5}{8}$  तथा  $\frac{7}{11}$  बीच में रखा गया है:

Options :

1.   $\frac{18}{30}$

2.   $\frac{19}{30}$

3.   $\frac{20}{30}$

4.   $\frac{21}{30}$

Question Number : 104 Question Id : 16794315433 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$\left( \frac{2}{\sqrt{5} + \sqrt{3}} + \frac{1}{\sqrt{6} - \sqrt{3}} + \frac{1}{\sqrt{6} + \sqrt{5}} \right)$  is equal to:

Options :

1.   $2\sqrt{6}$

2.   $2\sqrt{5}$

3.   $3\sqrt{3}$

4.   $\frac{4\sqrt{6} - 2\sqrt{3}}{3}$

Question Number : 104 Question Id : 16794315433 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$\left( \frac{2}{\sqrt{5} + \sqrt{3}} + \frac{1}{\sqrt{6} - \sqrt{3}} + \frac{1}{\sqrt{6} + \sqrt{5}} \right)$  के बराबर है:

Options :

1. ✗  $2\sqrt{6}$

2. ✗  $2\sqrt{5}$

3. ✗  $3\sqrt{3}$

4. ✓  $\frac{4\sqrt{6}-2\sqrt{3}}{3}$

Question Number : 105 Question Id : 16794315434 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$2\sqrt[3]{32} - 3\sqrt[3]{4} + \sqrt[3]{500}$  is equal to:

Options :

1. ✗  $4\sqrt[3]{6}$

2. ✗  $\sqrt[3]{24}$

3. ✓  $6\sqrt[3]{4}$

4. ✗  $3\sqrt[3]{12}$

Question Number : 105 Question Id : 16794315434 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$2\sqrt[3]{32} - 3\sqrt[3]{4} + \sqrt[3]{500}$  इसके बराबर है:

Options :

1. ✗  $4\sqrt[3]{6}$

2. ✗  $\sqrt[3]{24}$

3. ✓  $6\sqrt[3]{4}$

4. ✗  $3\sqrt[3]{12}$

Question Number : 106 Question Id : 16794315435 Question 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 sentences are steps involved in finding the H.C.F. of 29 and 24 by using Euclid's division algorithm. Arrange them in sequential order from first to last.

- (a)  $5 = 1 \times 5 + 0$
- (b)  $29 = 24 \times 1 + 5$
- (c)  $24 = 5 \times 4 + 1$

Options :

1. ✗ b a c

2. ✗ a b c

3. ✓ b c a

4. ✗ c a b

Question Number : 106 Question Id : 16794315435 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

यूकिलड के डिवीजन एल्गोरिदम का उपयोग करके निम्नलिखित वाक्य 29 और 24 के लघुतम समापवर्तक को ज्ञात करने के शामिल चरण हैं। अनुक्रमिक क्रम में उन्हें पहले से आखिरी तक व्यवस्थित करें।

$$5 = 1 \times 5 + 0$$

$$29 = 24 \times 1 + 5$$

$$24 = 5 \times 4 + 1$$

Options :

1. ✗ b a c

2. ✗ a b c

3. ✓ b c a

4. ✗ c a b

Question Number : 107 Question Id : 16794315436 Question 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 of ways in which 8064 can be resolved as the product of two factors?

Options :

1. ✗ 20

2. ✗ 22

3. ✓ 24

Question Number : 107 Question Id : 16794315436 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

उन कई तरीकों को जात करें जिनमें 8064 को दो कारकों के गुणन के रूप में हल किया जा सकता है?

Options :

1. ✘ 20

2. ✘ 22

3. ✓ 24

4. ✘ 26

Question Number : 108 Question Id : 16794315437 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Apply Chinese Remainder theorem to solve  $x = 3 \pmod{9}$ ,  $x = 7 \pmod{13}$ . The common solution is:

Options :

1. ✘  $x = 103 \pmod{117}$

2. ✘  $x = 105 \pmod{117}$

3. ✘  $x = 107 \pmod{117}$

4. ✓  $x = 111 \pmod{117}$

Question Number : 108 Question Id : 16794315437 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$x = 3 \pmod{9}$ ,  $x = 7 \pmod{13}$  को हल करने के लिए चीनी शेषफल प्रमेय लागू करें। सामान्य हल है:

Options :

1. ✘  $x = 103 \pmod{117}$

2. ✘  $x = 105 \pmod{117}$

3. ✘  $x = 107 \pmod{117}$

4. ✓  $x = 111 \pmod{117}$

Question Number : 109 Question Id : 16794315438 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Number of positive integers, which are less than 108 and prime to 108 are?

Options :

1. ✘ 15

2. ✘ 17

3. ✘ 18

4. ✓ 36

Question Number : 109 Question Id : 16794315438 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

धनात्मक पूर्णांक की संख्या, जो 108 से कम और 108 से अभाज्य हैं?

Options :

1. ✘ 15

2. ✘ 17

3. ✘ 18

4. ✓ 36

Question Number : 110 Question Id : 16794315439 Question 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 remainder when  $3^{215}$  is divided by 43?

Options :

1. ✘ 35

2. ✓ 28

3. ✘ 33

4. ✘ 30

Question Number : 110 Question Id : 16794315439 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$3^{215}$  को 43 से विभाजित करने पर कौन सी शेषफल संख्या प्राप्त होती है?

Options :

1. ✗ 35

2. ✓ 28

3. ✗ 33

4. ✗ 30

Question Number : 111 Question Id : 16794315440 Question 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 of three digits in scale of 7 when expressed in scale of 9 has its digits reversed in order. Find the number expressed in scale of 10?

Options :

1. ✗ 245

2. ✗ 246

3. ✗ 247

4. ✓ 248

Question Number : 111 Question Id : 16794315440 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

9 के पैमाने पर दर्शाए जाने पर 7 के पैमाने में कई तीन अंकों की संख्या के क्रम में इसके अंक उलट दिए गए हैं। 10 के पैमाने में दर्शाई गई संख्या बताएँ?

Options :

1. ✗ 245

2. ✗ 246

3. ✗ 247

4. ✓ 248

Question Number : 112 Question Id : 16794315441 Question 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 31513 and 14369 are divided by a certain three digit number, the remainders are equal. Find the remainder?

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

Options :

1. 95

2. 96

3. 97

4. 98

Question Number : 112 Question Id : 16794315441 Question 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 31513 विज्ञापन 14369 को एक निश्चित तीन अंक संख्या से विभाजित किया जाता है, तो शेषफल बराबर होते हैं। शेषफल ज्ञात करें?

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

Options :

1. 95

2. 96

3. 97

4. 98

Question Number : 113 Question Id : 16794315442 Question 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 Postulate III is:

Options :

1. ✘ A terminal line can be produced indefinitely

2. ✘ A straight line may be drawn from any point to any other point

3. ✘ All right angles are equal to one another

4. ✓ A circle can be drawn with any centre any radius

Question Number : 113 Question Id : 16794315442 Question 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 का पोस्टुलेट III है:

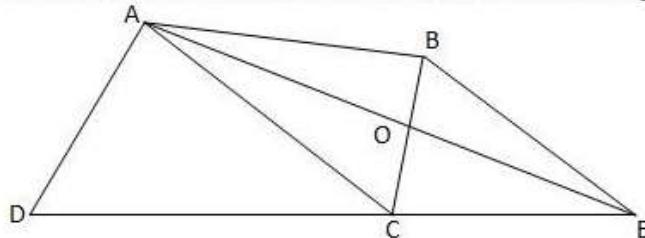
Options :

1. ✘ एक टर्मिनल लाइन अनिश्चित रूप से उत्पन्न की जा सकती है
2. ✘ किसी भी बिंदु से किसी अन्य बिंदु पर एक सीधी रेखा खींची जा सकती है
3. ✘ सभी समकोण एक दूसरे के बराबर हैं
4. ✓ किसी भी त्रिज्या के किसी भी केंद्र के साथ एक वृत्त खींचा जा सकता है

Question Number : 114 Question Id : 16794315443 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In the following figure ABCD is a quadrilateral.  $BE \parallel AC$ , BE meets DC (produced) at E. AE and BC intersect at O. Which one is the correct answer from the following?



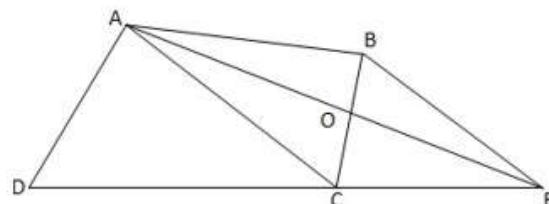
Options :

1. ✘  $ABEC$  is parallelogram
2. ✘  $\text{ar}(\Delta AOC) = \text{ar}(\Delta BOE)$
3. ✓  $\text{ar}(\Delta OAB) = \text{ar}(\Delta OCE)$
4. ✘  $\text{ar}(\Delta ABE) = \text{ar}(\Delta ACE)$

Question Number : 114 Question Id : 16794315443 Question 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 चित्र में ABCD एक चतुर्भुज है।  $BE \parallel AC$  BE, E पर DC (उत्पादित) को स्पर्श करती है और BC को O बिंदु पर काटती है। निम्नलिखित में से सही उत्तर कौन सा है?



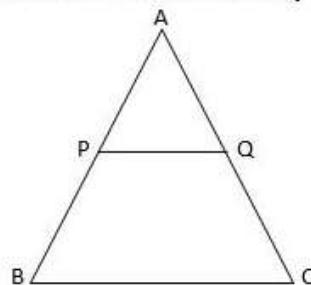
Options :

1. ✘ ABEC समानांतर है
2. ✘  $ar(\Delta AOC) = ar(\Delta BOE)$
3. ✓  $ar(\Delta OAB) = ar(\Delta OCE)$
4. ✘  $ar(\Delta ABE) = ar(\Delta ACE)$

Question Number : 115 Question Id : 16794315444 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In the following figure PQ is parallel to BC and  $PQ : BC = 1 : 3$ . If the area of the triangle ABC is  $144 \text{ cm}^2$ , then what is the area of the  $\Delta APQ$



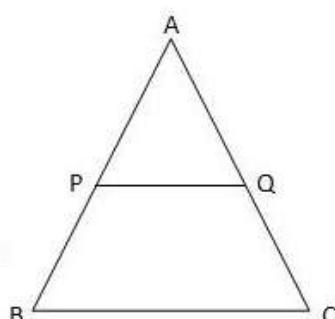
Options :

1. ✘  $48 \text{ cm}^2$
2. ✘  $36 \text{ cm}^2$
3. ✓  $16 \text{ cm}^2$
4. ✘  $9 \text{ cm}^2$

Question Number : 115 Question Id : 16794315444 Question 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 चित्र PQ, BC और PQ के समानांतर है:  $BC = 1:3$ । यदि त्रिभुज ABC का क्षेत्रफल  $144 \text{ cm}^2$  है, तो  $\Delta APQ$  का क्षेत्रफल क्या होगा?



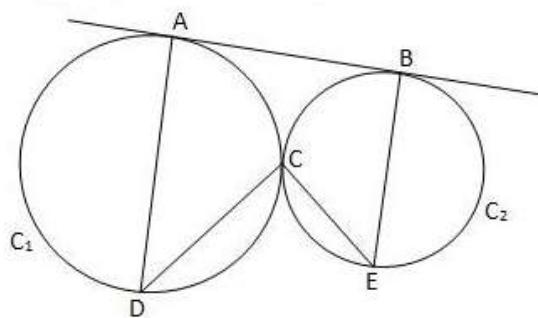
Options :

1. ✘  $48 \text{ cm}^2$
2. ✘  $36 \text{ cm}^2$
3. ✓  $16 \text{ cm}^2$
4. ✘  $9 \text{ cm}^2$

Question Number : 116 Question Id : 16794315445 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

In the following figure (not to scale) AB is the common tangent to the circles  $C_1$  and  $C_2$ , where  $C_1$  and  $C_2$  are touching externally at C, AD and DC are two chords of the circle  $C_1$  and BE and EC are the two chords of the circle  $C_2$ . Find the measure of  $\angle ADC + \angle BEC$ ?



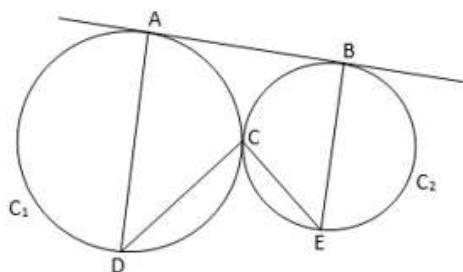
Options :

1. ✘  $60^\circ$
2. ✓  $90^\circ$
3. ✘  $120^\circ$
4. ✘  $100^\circ$

Question Number : 116 Question Id : 16794315445 Question 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 चित्र में (स्केल नहीं करना) AB वृत्त के लिए सामान्य स्पर्श रेखा है  $C_1$  तथा  $C_2$ , जहाँ  $C_1$  तथा  $C_2$  C, AD और DC, वृत्त की दो ज्या  $C_1$  और BE और EC वृत्त  $C_2$  की दो ज्या हैं।  $\angle ADC + \angle BEC$  का माप जात करें?



Options :

1. ✗  $60^\circ$
2. ✓  $90^\circ$
3. ✗  $120^\circ$
4. ✗  $100^\circ$

Question Number : 117 Question Id : 16794315446 Question 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 three concurrent straight lines AD, BE and CF are drawn from the angular points of a triangle  $\Delta ABC$  to meet the opposite sides such that  $\frac{AF}{FB} = \frac{1}{2}$ ,  $\frac{BD}{DC} = \frac{2}{3}$ , then by applying Ceva's theorem,  $\frac{EA}{EC}$  is equal to:

Options :

1. ✗  $\frac{3}{2}$
2. ✗  $\frac{2}{3}$
3. ✗ 1
4. ✓  $\frac{1}{3}$

Question Number : 117 Question Id : 16794315446 Question 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 तीन समवर्ती सीधी रेखाएं AD, BE और CF को त्रिभुज  $\Delta$  के कोणीय बिंदुओं से खींचा जाता है ताकि विपरीत दिशा में स्पर्श करें जैसे कि  $\frac{AF}{FB} = \frac{1}{2}$ ,  $\frac{BD}{DC} = \frac{2}{3}$ , तो सेवा के प्रमेय को लागू करने पर,  $\frac{EA}{EC}$  निम्नलिखित के बराबर होता है:

Options :

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

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

3.  1

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

Question Number : 118 Question Id : 16794315447 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

PQ is the direct common tangent of two circles (S, 9 cm) and (R, 4 cm) which touch each other externally. Find the area of the quadrilateral PQRS (in  $\text{cm}^2$ )?

Options :

1.  72

2.  65

3.  78

4.  69

Question Number : 118 Question Id : 16794315447 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

PQ दो वृत्तों (S, 9cm) और (R, 4cm) की सीधी सोअर्ष रेखा है जो एक दूसरे को बाहरी रूप से स्पर्श करती है। चतुर्भुज PQRS ( $\text{cm}^2$  में) का क्षेत्रफल ज्ञात करें?

Options :

1.  72

2.  65

3.  78

4.  69

Question Number : 119 Question Id : 16794315448 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A chord of a circle subtends an angle  $60^\circ$  at the centre of the circle. If the length of the chord is 10 cm. Then the area of the major segment is (Given  $\pi = 3.14$  and  $\sqrt{3} = 1.732$ )

Options :

1.  305  $\text{cm}^2$

2.  295  $\text{cm}^2$

3.  310  $\text{cm}^2$

4.  335  $\text{cm}^2$

Question Number : 119 Question Id : 16794315448 Question 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 की ज्या वृत्त की केंद्र में को  $60$  कोण $^\circ$  को घटाता है। यदि तार की लंबाई  $10 \text{ cm}$  है। तो प्रमुख खंड का क्षेत्रफल है (दिया गया  $\pi = 3.14$  तथा  $\sqrt{3} = 1.732$ )

Options :

1.  305  $\text{cm}^2$

2.  295  $\text{cm}^2$

3.  310  $\text{cm}^2$

4.  335  $\text{cm}^2$

Question Number : 120 Question Id : 16794315449 Question 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 length, breadth and depth of a cuboid is  $19\text{cm}$  and its diagonal is  $5\sqrt{5} \text{ cm}$ . Its surface area is:

Options :

1.  250  $\text{cm}^2$

2.  236  $\text{cm}^2$

3.  361  $\text{cm}^2$

4.  275  $\text{cm}^2$

Correct Marks : 1 Wrong Marks : 0.25

एक आयतफलकी (cuboid) की लंबाई, चौड़ाई और गहराई का योग 19 सेमी है और इसका विकर्ण  $5\sqrt{5} \text{ cm.}$  है, इसका सतह क्षेत्रफल है:

Options :

1. ✘  $250 \text{ cm}^2$

2. ✓  $236 \text{ cm}^2$

3. ✘  $361 \text{ cm}^2$

4. ✘  $275 \text{ cm}^2$

Subject Related

Group Number :	7
Group Id :	167943540
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 :	167943605
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:	167943969
Question Shuffling Allowed :	Yes

Question Number : 121 Question Id : 16794315450 Question 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 radius of two cylinders is 2 : 3 and the ratio of their heights is 5 : 3. The ratio of their volumes will be:

Options :

1. ✗ 4 : 9

2. ✗ 9 : 4

3. ✓ 20 : 27

4. ✗ 27 : 20

Question Number : 121 Question Id : 16794315450 Question 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 सिलेंडर के त्रिज्या का अनुपात 2 : 3 है और उनकी ऊंचाई का अनुपात 5 : 3 है। उनके आयतन का अनुपात होगा:

Options :

1. ✗ 4 : 9

2. ✗ 9 : 4

3. ✓ 20 : 27

4. ✗ 27 : 20

Question Number : 122 Question Id : 16794315451 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The diameters of the top and the bottom portions of a bucket are 42 cm and 28 cm. If the height of the bucket is 24 cm, find the area of outer curved surface?

Options :

1. ✗  $2625 \text{ cm}^2$

2. ✗  $2675 \text{ cm}^2$

3. ✗  $2725 \text{ cm}^2$

4. ✓  $2750 \text{ cm}^2$

Question Number : 122 Question Id : 16794315451 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

शीर्ष के व्यास और बाल्टी के नीचे भाग 42 cm और 28 cm हैं। यदि बाल्टी की ऊँचाई 24 सेमी है, तो बाहरी घुमावदार सतह का क्षेत्रफल ज्ञात करें?

Options :

1. ✗ 2625  $\text{cm}^2$

2. ✗ 2675  $\text{cm}^2$

3. ✗ 2725  $\text{cm}^2$

4. ✓ 2750  $\text{cm}^2$

Question Number : 123 Question Id : 16794315452 Question 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 metallic cone of diameter 32 cm and height 9 cm is melted and made into identical spheres each of radius 2 cm. How many such spheres can be made?

Options :

1. ✗ 52

2. ✗ 48

3. ✗ 64

4. ✓ 72

Question Number : 123 Question Id : 16794315452 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

32 cm और ऊँचाई 9 cm व्यास का एक धातु शंकु पिघला हुआ है और प्रत्येक त्रिज्या 2 cm के समान गोले बनाये जाते हैं। ऐसे कितने गोले बनाये जा सकते हैं?

Options :

1. ✗ 52

2. ✗ 48

3. ✗ 64

4. ✓ 72

Question Number : 124 Question Id : 16794315453 Question 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 hemispherical vessels can hold 10.8 liters and 50 liters of liquid respectively. The ratio of their minor curved surface area is:

Options :

1. ✗ 16 : 25

2. ✗ 25 : 9

3. ✓ 9 : 25

4. ✗ 4 : 3

Question Number : 124 Question Id : 16794315453 Question 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 गोलाकार बर्तन क्रमशः 10.8 लीटर और 50 लीटर तरल रख सकते हैं। उनके मामूली वक्र सतह क्षेत्रफल का अनुपात है:

Options :

1. ✗ 16:25

2. ✗ 25 : 9

3. ✓ 09 : 25

4. ✗ 4 : 3

Question Number : 125 Question Id : 16794315454 Question 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  $m$  for which one of the root of  $x^2 - 3x + 2m = 0$  is double of the root of  $x^2 - x + m = 0$  is:

Options :

1. ✗ 0, 1

2. ✓ 0, -2

3. ✗ 2, 0

4. ✗ None of these

Question Number : 125 Question Id : 16794315454 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$m$  का मान जिसके लिए  $x^2 - 3x + 2m = 0$  का वर्गमूल  $x^2 - x + m = 0$  के वर्गमूल का दोगुना है:

Options :

1. ✘ 0, 1
2. ✓ 0, -2
3. ✘ 2, 0
4. ✘ इनमे से कोई नहीं

Question Number : 126 Question Id : 16794315455 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If  $\alpha, \beta$  are the roots of the equation  $(x - a)(x - b) + c = 0$  ( $c \neq 0$ ), then the roots of the equation  $(x - c - \alpha)(x - c - \beta) = c$  are:

Options :

1. ✘  $a$  and  $(b + c)$
2. ✘  $(a + b)$  and  $c$
3. ✓  $(a + c)$  and  $(b + c)$
4. ✘  $a$  and  $b$

Question Number : 126 Question Id : 16794315455 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर  $\alpha, \beta$  समीकरण  $(x - a)(x - b) + c = 0$  ( $c \neq 0$ ) के वर्गमूल हैं, तो समीकरण  $(x - c - \alpha)(x - c - \beta) = c$  के वर्गमूल हैं:

Options :

1. ✘  $a$  और  $(b + c)$
2. ✘  $(a + b)$  और  $c$
3. ✓  $(a + c)$  और  $(b + c)$
4. ✘  $a$  और  $b$

Question Number : 127 Question Id : 16794315456 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If the roots of the quadratic equation  $x^2 - x \ln(a^2 - 3a + 2) + a^2 - 4 = 0$  are of opposite signs, then

Options :

1. ✗  $a \in (-2, 2)$

2. ✗  $a \in (-\infty, 1) \cup (2, \infty)$

3. ✗  $a \in (-\infty, -2) \cup (2, \infty)$

4. ✓  $a \in (-2, 1)$

Question Number : 127 Question Id : 16794315456 Question 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 द्विघाती समीकरण  $x^2 - x \ln(a^2 - 3a + 2) + a^2 - 4 = 0$  के वर्गमूल विपरीत संकेत हैं, तो

Options :

1. ✗  $a \in (-2, 2)$

2. ✗  $a \in (-\infty, 1) \cup (2, \infty)$

3. ✗  $a \in (-\infty, -2) \cup (2, \infty)$

4. ✓  $a \in (-2, 1)$

Question Number : 128 Question Id : 16794315457 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The number of real solutions of equation  $x^2 - 3|x| + 2 = 0$  is:

Options :

1. ✗ 2

2. ✓ 4

3. ✗ 1

4. ✗ 3

Question Number : 128 Question Id : 16794315457 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

समीकरण  $x^2 - 3|x| + 2 = 0$  के वास्तविक समाधान की संख्या है:

Options :

1. ✗ 2

2. ✓ 4

3. ✗ 1

4. ✗ 3

Question Number : 129 Question Id : 16794315458 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If the roots of quadratic equation  $x^2 + px + q = 0$  are  $\tan 30^\circ$  and  $\tan 15^\circ$  respectively, then the value of  $2 + q - p$  is:

Options :

1. ✓ 3

2. ✗ 0

3. ✗ 1

4. ✗ 2

Question Number : 129 Question Id : 16794315458 Question 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 दिविधाती समीकरण वर्गमूल क्रमशः  $x^2 + px + q = 0$   $\tan 30^\circ$  और  $\tan 15^\circ$  है, तो  $2 + q - p$  का मान है:

Options :

1. ✓ 3

2. ✗ 0

3. ✗ 1

4. ✗ 2

Question Number : 130 Question Id : 16794315459 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If  $3 \sin \theta + 5 \cos \theta = 5$ , then the value of  $5 \sin \theta - 3 \cos \theta$  is equal to:

Options :

1. ✗ 5

2.  3

3.  4

4.  None of these

Question Number : 130 Question Id : 16794315459 Question 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  $3\sin\theta + 5\cos\theta = 5$ , तो  $5\sin\theta - 3\cos\theta$  का मान के बराबर है:

Options :

1.  5

2.  3

3.  4

4.  इनमे से कोई नहीं

Question Number : 131 Question Id : 16794315460 Question 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  $\cos 25^\circ + \sin 25^\circ = k$ , then  $\cos 20^\circ$  is equal to:

Options :

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

2.   $-\frac{k}{\sqrt{2}}$

3.   $\pm\frac{k}{\sqrt{2}}$

4.  None of these

Question Number : 131 Question Id : 16794315460 Question 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  $\cos 25^\circ + \sin 25^\circ = k$  है, तो  $\cos 20^\circ$  इसके बराबर है:

Options :

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

2.   $-\frac{k}{\sqrt{2}}$

3.   $\pm \frac{k}{\sqrt{2}}$

4.  इनमे से कोई नहीं

Question Number : 132 Question Id : 16794315461 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If  $\sin x = \cos^2 x$ , then  $\cos^2 x (1 + \cos^2 x)$  is equal to:

Options :

1.  0

2.  1

3.  2

4.  None of these

Question Number : 132 Question Id : 16794315461 Question 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  $\sin x = \cos^2 x$  है, तो  $\cos^2 x (1 + \cos^2 x)$  इसके बराबर है:

Options :

1.  0

2.  1

3.  2

4.  इनमे से कोई नहीं

Question Number : 133 Question Id : 16794315462 Question 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  $\tan A + \sin A = m$  and  $\tan A - \sin A = n$  then:

Options :

1. ✓  $m^2 - n^2 = 4\sqrt{mn}$

2. ✗  $m^2 - n^2 = \sqrt{mn}$

3. ✗  $m^2 + n^2 = 2mn$

4. ✗  $m^2 + n^2 = mn$

Question Number : 133 Question Id : 16794315462 Question 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  $\tan A + \sin A = m$  तथा  $\tan A - \sin A = n$  है तो

Options :

1. ✓  $m^2 - n^2 = 4\sqrt{mn}$

2. ✗  $m^2 - n^2 = \sqrt{mn}$

3. ✗  $m^2 + n^2 = 2mn$

4. ✗  $m^2 + n^2 = mn$

Question Number : 134 Question Id : 16794315463 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$\tan \frac{5\pi}{12} - \tan \frac{\pi}{12} - \sqrt{3} \tan \frac{5\pi}{12} \cdot \tan \frac{\pi}{12}$  is equal to:

Options :

1. ✗  $-\sqrt{3}$

2. ✗  $\frac{1}{\sqrt{3}}$

3. ✗ 1

4. ✓  $\sqrt{3}$

Question Number : 134 Question Id : 16794315463 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$\tan \frac{5\pi}{12} - \tan \frac{\pi}{12} - \sqrt{3} \tan \frac{5\pi}{12} \cdot \tan \frac{\pi}{12}$  इसके बराबर है:

Options :

1. ✗  $\sqrt{3}$

2. ✗  $\frac{1}{\sqrt{3}}$

3. ✗ 1

4. ✓  $\sqrt{3}$

Question Number : 135 Question Id : 16794315464 Question 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  $x$  and  $y$  be real numbers such that  $\frac{\sin x}{\sin y} = 3$  and  $\frac{\cos x}{\cos y} = \frac{1}{2}$ . The value of  $\frac{\sin 2x}{\sin 2y} + \frac{\cos 2x}{\cos 2y}$  is:

Options :

1. ✓  $\frac{49}{58}$

2. ✗  $\frac{41}{58}$

3. ✗  $\frac{51}{58}$

4. ✗ None of these

Question Number : 135 Question Id : 16794315464 Question 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 ले  $x$  और  $y$  ऐसी वास्तविक संख्याएँ हैं जो कि  $\frac{\sin x}{\sin y} = 3$  और  $\frac{\cos x}{\cos y} = \frac{1}{2}$ । इसका मान  $\frac{\sin 2x}{\sin 2y} + \frac{\cos 2x}{\cos 2y}$  है:

Options :

1. ✓  $\frac{49}{58}$

2. ✗  $\frac{41}{58}$

3. ✗  $\frac{51}{58}$

4. ✗ इनमे से कोई नहीं

Question Number : 136 Question Id : 16794315465 Question 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 6 feet tall man finds that the angle of elevation of the top of a 24 feet height pillar and the angle of depression of its base are complementary angles. The distance of the man from the pillar is:

Options :

1. ✗  $2\sqrt{3}$  feet

2. ✗  $8\sqrt{3}$  feet

3. ✓  $6\sqrt{3}$  feet

4. ✗ None of these

Question Number : 136 Question Id : 16794315465 Question 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 6 फीट लंबा आदमी यह पाता है कि 24 फीट ऊँचे खंभे के शीर्ष की ऊँचाई का कोण और उसके आधार का अवनमन कोण पूरक कोण हैं। खंभे से आदमी की दूरी है:

Options :

1. ✗  $2\sqrt{3}$  फुट

2. ✗  $8\sqrt{3}$  फुट

3. ✓  $6\sqrt{3}$  फुट

4. ✗ इनमे से कोई नहीं

Question Number : 137 Question Id : 16794315466 Question 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 with vertices at the points  $(a, b + c)$ ,  $(b, c + a)$ ,  $(c, a + b)$  is:

Options :

1. ✓ 0

2. ✗  $a + b + c$

3. ✘  $ab + bc + ca$

4. ✘ None of these

Question Number : 137 Question Id : 16794315466 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

बिंदु  $(a, b+c)$ ,  $(b, c+a)$ ,  $(c, a+b)$  में शीर्ष पर त्रिभुज का क्षेत्रफल है:

Options :

1. ✓ 0

2. ✘  $a + b + c$

3. ✘  $ab + bc + ca$

4. ✘ इनमें से कोई नहीं

Question Number : 138 Question Id : 16794315467 Question 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 and B are two points having co-ordinates  $(3, 4)$  and  $(5, -2)$  respectively and P is a point such that  $PA = PB$  and area of triangle  $\Delta PAB = 10$  sq units, then the co-ordinates of P are:

Options :

1. ✘  $(7, 4)$  or  $(13, 2)$

2. ✓  $(7, 2)$  or  $(1, 0)$

3. ✘  $(2, 7)$  or  $(4, 13)$

4. ✘ None of these

Question Number : 138 Question Id : 16794315467 Question 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 और B क्रमशः समन्वय  $(3,4)$  और  $(5, -2)$  दो बिंदु हैं और P एक बिंदु है जैसे  $PA = PB$  और त्रिभुज का क्षेत्रफल  $\Delta PAB = 10$  वर्ग इकाई है, तो P का निर्देशांक बिंदु है:

Options :

1. ✘  $(7,4)$  या  $(13,2)$

2. ✓  $(7,2)$  या  $(1,0)$

3. ✘ (2,7) या (4,13)

4. ✘ इनमे से कोई नहीं

Question Number : 139 Question Id : 16794315468 Question 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  $(-4, 0)$  and  $(1, -1)$  are two vertices of a triangle of area 4 units, then its third vertex lie on:

Options :

1. ✘  $y = x$

2. ✘  $5x + y + 12 = 0$

3. ✓  $x + 5y - 4 = 0$

4. ✘ None of these

Question Number : 139 Question Id : 16794315468 Question 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  $(-4, 0)$  और  $(1, -1)$  क्षेत्र 4 इकाई वाले त्रिभुज के क्षेत्रफल के दो शीर्ष हैं, तो इसका तीसरा शीर्ष पर है:

Options :

1. ✘  $y = x$

2. ✘  $5x + y + 12 = 0$

3. ✓  $x + 5y - 4 = 0$

4. ✘ इनमे से कोई नहीं

Question Number : 140 Question Id : 16794315469 Question 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 equilateral triangle has each side equal to  $a$ . If the co-ordinates of its vertices are  $(x_1, y_1)$ ;  $(x_2, y_2)$ ;  $(x_3, y_3)$  then

the square of the determinant  $\begin{vmatrix} x_1 & y_1 & 1 \\ x_2 & y_2 & 1 \\ x_3 & y_3 & 1 \end{vmatrix}$  equals:

Options :

1. ✘  $3a^4$

2. ✓  $\frac{3a^4}{4}$

3. ✗  $4a^4$

4. ✗ None of these

Question Number : 140 Question Id : 16794315469 Question 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 समतुल्य त्रिकोण प्रत्येक भुजा के बराबर है। यदि इसके शीर्ष के निर्देशांक बिंदु  $(x_1, y_1)$ ;  $(x_2, y_2)$ ;  $(x_3, y_3)$  हैं, तो सारणीय का वर्ग है

$$\begin{vmatrix} x_1 & y_1 & 1 \\ x_2 & y_2 & 1 \\ x_3 & y_3 & 1 \end{vmatrix} \text{ बराबर है:}$$

Options :

1. ✗  $3a^4$

2. ✓  $\frac{3a^4}{4}$

3. ✗  $4a^4$

4. ✗ इनमे से कोई नहीं

#### Subject Related

Group Number :

8

Group Id :

167943541

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 :

167943606

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:	167943970
Question Shuffling Allowed :	Yes

Question Number : 141 Question Id : 16794315470 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

P (3, 1), Q (6, 5) and R(x, y) are three points such that the angle  $\angle PRQ$  is a right angle and the area  $\Delta RQP = 7$ , then the number of such points R is:

Options :

1.  0
2.  1
3.  2
4.  4

Question Number : 141 Question Id : 16794315470 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

P (3, 1), Q (6, 5) और R(x, y) तीन अंक हैं जैसे कि कोण  $\angle PRQ$  एक समकोण और क्षेत्रफल  $\Delta RQP = 7$  है, तो ऐसे बिंदुओं की संख्या R है:

Options :

1.  0
2.  1
3.  2
4.  4

Question Number : 142 Question Id : 16794315471 Question 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  $t_r$  denote the  $r^{th}$  term of an arithmetic progression. If  $t_m = \frac{1}{n}$  and  $t_n = \frac{1}{m}$ , then  $t_{mn}$  equals:

Options :

1. ✗  $\frac{1}{mn}$

2. ✗  $\frac{1}{m} + \frac{1}{n}$

3. ✗ 4

4. ✓ 1

Question Number : 142 Question Id : 16794315471 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

आइए  $t_r$  श्रेणी के  $r^{\text{th}}$  पद को दर्शाता है। अगर  $t_m = \frac{1}{n}$  तथा  $t_n = \frac{1}{m}$  है, तो  $t_{mn}$  बराबर है:

Options :

1. ✗  $\frac{1}{mn}$

2. ✗  $\frac{1}{m} + \frac{1}{n}$

3. ✗ 4

4. ✓ 1

Question Number : 143 Question Id : 16794315472 Question 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 in an AP,  $S_n = p.n^2$  and  $S_m = p.m^2$ , where  $S_r$  denotes the sum of  $r$  terms of the AP, then  $S_p$  is equal to:

Options :

1. ✗  $\frac{p^3}{2}$

2. ✗  $mnp$

3. ✓  $p^3$

4. ✗  $(m + n)p^2$

Question Number : 143 Question Id : 16794315472 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

AP में,  $S_n = p.n^2$  और  $S_m = p.m^2$ , जहाँ  $S_r$  AP के पद  $r$  के योग को दर्शाता है, तो  $S_p$  इसके बराबर होता है:

Options :

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

2.   $mnp$

3.   $p^3$

4.   $(m + n)p^2$

Question Number : 144 Question Id : 16794315473 Question 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  $S_r$  denotes the sum of the first  $r$  terms of an AP then,  $\frac{S_{3r} - S_{r-1}}{S_{2r} - S_{2r-1}}$  is equal to:

Options :

1.   $2r - 1$

2.   $2r + 1$

3.   $4r + 1$

4.   $2r + 3$

Question Number : 144 Question Id : 16794315473 Question 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  $S_r$  श्रेढ़ी के पहले  $r$  पदों के योग को दर्शाता है तब  $\frac{S_{3r} - S_{r-1}}{S_{2r} - S_{2r-1}}$  के बराबर है:

Options :

1.   $2r - 1$

2.   $2r + 1$

3.   $4r + 1$

4.   $2r + 3$

Question Number : 145 Question Id : 16794315474 Question 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  $S_n$  denote the sum of the first  $n$  terms of an AP. If  $S_{2n} = 3S_n$ , then  $S_{3n} : S_n$  is equal to:

Options :

1. ✗ 4

2. ✓ 6

3. ✗ 8

4. ✗ 10

Question Number : 145 Question Id : 16794315474 Question 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 ले,  $S_n$  श्रेढ़ी के पहले  $n$  पदों के योग को दर्शाएं अगर  $S_{2n} = 3S_n$  है, तो  $S_{3n} : S_n$  के बराबर है:

Options :

1. ✗ 4

2. ✓ 6

3. ✗ 8

4. ✗ 10

Question Number : 146 Question Id : 16794315475 Question 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  $n^{th}$  terms of the two series  $3 + 10 + 17 + \dots$  and  $63 + 65 + 67 + \dots$  are equal, then the value of  $n$  is:

Options :

1. ✗ 9

2. ✓ 13

3. ✗ 19

4. ✗ None of these

Question Number : 146 Question Id : 16794315475 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$n^{th}$  दो शृंखला  $3 + 10 + 17 + \dots$  और  $63 + 65 + 67 + \dots$  के पद बराबर हैं, तो  $n$  का मान है:

Options :

1. ✘ 9

2. ✓ 13

3. ✘ 19

4. ✘ इनमे से कोई नहीं

Question Number : 147 Question Id : 16794315476 Question 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 system of equations  $2x + 4y = 6$  and  $4x + 8y = 6$  has:

Options :

1. ✘ exactly two solutions

2. ✓ no solution

3. ✘ infinitely many solutions

4. ✘ a unique solution

Question Number : 147 Question Id : 16794315476 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

समीकरणों की प्रणाली  $2x + 4y = 6$  तथा  $4x + 8y = 6$  है:

Options :

1. ✘ बिल्कुल दो हल

2. ✓ कोई हल नहीं

3. ✘ असीमित कई हल

4. ✘ एक अद्वितीय हल

Question Number : 148 Question Id : 16794315477 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

For what values of  $m$  the equations  $2x + 3y = 2$  and  $(m + 2)x + (2m + 1)y = 2(m - 1)$  have infinitely many solutions:

Options :

1. ✘ 2

2. ✘ 3

3. ✓ 4

4. ✘ 5

Question Number : 148 Question Id : 16794315477 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$m$  के किस मान के लिए समीकरण  $2x + 3y = 2$  तथा

$(m+2)x + (2m+1)y = 2(m-1)$  असीमित कई हल रखते हैं:

Options :

1. ✘ 2

2. ✘ 3

3. ✓ 4

4. ✘ 5

Question Number : 149 Question Id : 16794315478 Question 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  $4x + \frac{6}{y} = 15$  and  $6x - \frac{8}{y} = 14$ , then the value of  $p$  in  $y = px - 2$  is:

Options :

1. ✘ 4

2. ✘ 3

3. ✓  $\frac{4}{3}$

4. ✘  $\frac{3}{4}$

Question Number : 149 Question Id : 16794315478 Question 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  $4x + \frac{6}{y} = 15$  तथा  $6x - \frac{8}{y} = 14$  जाओ, तो  $p$  में  $y = px - 2$  का मान है:

Options :

1. ✗ 4

2. ✗ 3

3. ✓  $\frac{4}{3}$

4. ✗  $\frac{3}{4}$

Question Number : 150 Question Id : 16794315479 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

The number of values of  $k$  for which the system of equations  $x + y = 2$ ,  $kx + y = 4$ ,  $x + ky = 5$  has atleast one solution is:

Options :

1. ✗ 0

2. ✓ 1

3. ✗ 2

4. ✗ 3

Question Number : 150 Question Id : 16794315479 Question 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 मान की संख्या जिसके लिए सैद्धांतिक समीकरण

$x + y = 2$ ,  $kx + y = 4$ ,  $x + ky = 5$  कम से कम एक हल है:

Options :

1. ✗ 0

2. ✓ 1

3. ✗ 2

4. ✗ 3

Question Number : 151 Question Id : 16794315480 Question 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 graph of the in-equation  $2x - 5y \leq 5$  in Cartesian plane is:

Options :

1. ✘ Above the line  $2x - 5y = 5$
2. ✘ Below the line  $2x - 5y = 5$
3. ✓ On and above the line  $2x - 5y = 5$
4. ✘ On and below the line  $2x - 5y = 5$

Question Number : 151 Question Id : 16794315480 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

कार्टशियन प्लेन में इन-समीकरण का ग्राफ  $2x - 5y \leq 5$  है:

Options :

1. ✘ रेखा से ऊपर  $2x - 5y = 5$
2. ✘ रेखा के नीचे  $2x - 5y = 5$
3. ✓ रेखा पर और उसके ऊपर  $2x - 5y = 5$
4. ✘ रेखा पर और उसके नीचे  $2x - 5y = 5$

Question Number : 152 Question Id : 16794315481 Question 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  $(2x - 3)$  is a factor of  $f(x) = 2x^3 - x^2 + px + 6$ , then the value of  $p$  is:

Options :

1. ✓ -7
2. ✘ -3
3. ✘ 4
4. ✘ 3

Question Number : 152 Question Id : 16794315481 Question 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  $(2x - 3)$  का एक कारक है  $f(x) = 2x^3 - x^2 + px + 6$ , तो  $p$  का मान है:

Options :

1. ✓ -7

2. ✗ -3

3. ✗ 4

4. ✗ 3

Question Number : 153 Question Id : 16794315482 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Given that  $(x + 2)$  and  $(x + 3)$  are factors of  $x^3 + ax + b$ , the values of  $a$  and  $b$  and the remaining factor is:

Options :

1. ✗  $a = 5, b = 2, (x + 2)$

2. ✗  $a = -5, b = 4, (x + 1)$

3. ✗  $a = -7, b = -6, (x + 1)$

4. ✓  $a = -19, b = -30, (x - 5)$

Question Number : 153 Question Id : 16794315482 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

यह मानें कि  $(x + 2)$  और  $(x + 3)$   $x^3 + ax + b$ , के कारक हैं और  $a$  और  $b$  शेष कारक हैं:

Options :

1. ✗  $a = 5, b = 2, (x + 2)$

2. ✗  $a = -5, b = 4, (x + 1)$

3. ✗  $a = -7, b = -6, (x + 1)$

4. ✓  $a = -19, b = -30, (x - 5)$

Question Number : 154 Question Id : 16794315483 Question 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 value of  $a$  if the polynomials  $2x^3 + ax^2 + 3x - 5$  and  $x^3 + x^2 - 4x - a$  leave the same remainder when divided by  $(x - 1)$

Options :

1. ✓  $a = -1$

2. ✗  $a = 1$

3. ✗  $a = 2$

4. ✗  $a = -2$

Question Number : 154 Question Id : 16794315483 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$a$  का मान ज्ञात करें यदि  $2x^3 + ax^2 + 3x - 5$  तथा  $x^3 + x^2 - 4x - a$  बहुपद  $(x - 1)$  से विभाजित होने पर वही शेषफल प्राप्त होता है

Options :

1. ✓  $a = -1$

2. ✗  $a = 1$

3. ✗  $a = 2$

4. ✗  $a = -2$

Question Number : 155 Question Id : 16794315484 Question 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 base of a triangle is smaller than its altitude. If its area is  $\frac{1}{2}x^2 + 2x + \frac{3}{2}$ , its base is,

Options :

1. ✗  $(x - 1)$

2. ✓  $(x + 1)$

3. ✗  $(x + 2)$

4. ✗  $(x + 3)$

Question Number : 155 Question Id : 16794315484 Question 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 का आधार इसकी ऊंचाई से छोटा है। यदि इसका क्षेत्र  $\frac{1}{2}x^2 + 2x + \frac{3}{2}$  है तो इसका आधार है,

Options :

1. ✗  $(x - 1)$

2. ✓  $(x + 1)$

3. ✗  $(x + 2)$

4. ✗  $(x + 3)$

Question Number : 156 Question Id : 16794315485 Question 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 normal random variable with mean zero and variance 9. If  $a = P(X \geq 3)$  then  $= (|X| \leq 3)$  equals:

Options :

1. ✗  $a$

2. ✗  $1 - a$

3. ✗  $2a$

4. ✓  $1 - 2a$

Question Number : 156 Question Id : 16794315485 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

आइए  $X$  को औसत शून्य और प्रसरण 9 के साथ एक सामान्य यादचित्क चर मानें। अगर  $a = P(X \geq 3)$  है तो  $P(|X| \leq 3)$  बराबर है:

Options :

1. ✗  $a$

2. ✗  $1 - a$

3. ✗  $2a$

4. ✓  $1 - 2a$

Question Number : 157 Question Id : 16794315486 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If  $X$  is a Poisson random variate with mean 3, then  $P(|X - 3| < 1)$  will be:

Options :

1. ✗  $\frac{e^{-3}}{2}$

2. ✗  $3e^{-3}$

3. ✓  $\frac{9}{2}e^{-3}$

4. ✗  $\left(\frac{99}{8}\right)e^{-3}$

Question Number : 157 Question Id : 16794315486 Question 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  $X$  माध्य 3 वाली पोइसन याद्विषक प्रसरण है, तो  $P(|X - 3| < 1)$  होगा

Options :

1. ✗  $\frac{e^{-3}}{2}$

2. ✗  $3e^{-3}$

3. ✓  $\frac{9}{2}e^{-3}$

4. ✗  $\left(\frac{99}{8}\right)e^{-3}$

Question Number : 158 Question Id : 16794315487 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$X$  is a non-negative integer valued random variable with

$$P(X = x) = \begin{cases} \frac{x+1}{2^{(x+2)}}, & x = 0, 1, 2, \dots \\ 0, & \text{otherwise} \end{cases}$$

Then, mean and variance of  $X$  are respectively

Options :

1. ✓ 2 & 4

2. ✗ 4 & 2

3. ✗ 2 & 3

Question Number : 158 Question Id : 16794315487 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$X$  एक गैर-ऋणात्मक पूर्णांक महत्वपूर्ण चर है

$$P(X = x) = \begin{cases} \frac{x+1}{2^{(x+2)}}, & x = 0, 1, 2, \dots \\ 0, & \text{otherwise} \end{cases}$$

तो,  $X$  का माध्य और प्रसरण क्रमशः हैं

Options :

1. ✓ 2 और 4

2. ✘ 4 और 2

3. ✘ 2 और 3

4. ✘ 2 और 2

Question Number : 159 Question Id : 16794315488 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Events A, B and C are mutually exclusive events such that  $P(A) = \frac{3x+1}{3}$ ,  $P(B) = \frac{1-x}{4}$  and  $P(C) = \frac{1-2x}{4}$

The set of possible values of  $x$  are in the interval

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

Options :

1.  $\left[\frac{1}{3}, \frac{1}{2}\right]$

2.  $\left[\frac{1}{3}, \frac{2}{3}\right]$

3.  $\left[\frac{1}{3}, \frac{13}{3}\right]$

4.  $[0, 1]$

Question Number : 159 Question Id : 16794315488 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

इवेंट A, B और C पारस्परिक रूप से अनन्य इवेंट हैं

$$P(A) = \frac{3x+1}{3}, \quad P(B) = \frac{1-x}{4} \quad \text{and} \quad P(C) = \frac{1-2x}{4}$$

x के संभावित मानों का सम्मुचय अंतराल में है

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

Options :

1.  $\left[\frac{1}{3}, \frac{1}{2}\right]$

2.  $\left[\frac{1}{3}, \frac{2}{3}\right]$

3.  $\left[\frac{1}{3}, \frac{13}{3}\right]$

4.  $[0, 1]$

Question Number : 160 Question Id : 16794315489 Question 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 and B be two events such that  $P(\overline{A \cup B}) = \frac{1}{6}$ ,  $P(A \cap B) = \frac{1}{4}$  and  $P(\overline{A}) = \frac{1}{4}$ , where  $\overline{A}$  stands for complement of event A. Then, events A and B are:

Options :

1. ✘ Equally likely and mutually exclusive

2. ✘ Equally likely but not independent

3. ✓ Independent but not equally likely

4. ✘ Mutually exclusive and independent

Question Number : 160 Question Id : 16794315489 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A और B को दो इवेंट इस प्रकार मानें

$$P(\overline{A \cup B}) = \frac{1}{6}, \quad P(A \cap B) = \frac{1}{4} \quad \text{and} \quad P(\overline{A}) = \frac{1}{4}, \quad \text{जहाँ } \overline{A} \text{ का अर्थ इवेंट A के पूरक है। तो, इवेंट A और B हैं}$$

Options :

1. ✗ समान रूप से संभावना और पारस्परिक रूप से अनन्य
2. ✗ समान रूप से संभावना है लेकिन स्वतंत्र नहीं है
3. ✓ स्वतंत्र लेकिन समान रूप से संभावना नहीं है
4. ✗ परस्पर अनन्य और स्वतंत्र

#### Subject Related

<b>Group Number :</b>	9
<b>Group Id :</b>	167943542
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	0
<b>Revisit allowed for view? :</b>	No
<b>Revisit allowed for edit? :</b>	No
<b>Break time:</b>	0
<b>Group Marks:</b>	20
<b>Revisit allowed for group Instructions? :</b>	Yes
<b>Maximum Instruction Time:</b>	0
<b>Minimum Instruction Time:</b>	0

#### Subject Related

<b>Section Id :</b>	167943607
<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional:</b>	Mandatory
<b>Number of Questions:</b>	20
<b>Number of Questions to be attempted:</b>	20
<b>Section Marks:</b>	20
<b>Display Number Panel:</b>	Yes
<b>Group All Questions:</b>	No

<b>Sub-Section Number:</b>	1
<b>Sub-Section Id:</b>	167943971
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 161 Question Id : 16794315490 Question 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 Binomial distribution,  $n = 10$  and  $p = 0.6$ ,  $E(X^2)$  (second moment about origin) is:

**Options :**

1. ✗ 30

2. ✗ 38

3. ✗ 8

4. ✓ 38.4

Question Number : 161 Question Id : 16794315490 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

द्विपदीय वितरण के लिए,  $n = 10$  and  $p = 0.6, E(X^2)$  (मूल के बारे में दूसरा आघूर्ण) है:

Options :

1. ✗ 30

2. ✗ 38

3. ✗ 8

4. ✓ 38.4

Question Number : 162 Question Id : 16794315491 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A, B, C are three sets of values of  $x$  :

A: 2,3,7,1,3,2,3

B: 7,5,9,12,5,3,8

C: 4,4,11,7,2,3,4

Select the correct statement from among the following

Options :

1. ✗ Mean of A is equal to Mode of C

2. ✗ Mean of C is equal to Median of B

3. ✗ Median of B is equal to Mode of A

4. ✓ Mean, Median and Mode of A are same

Question Number : 162 Question Id : 16794315491 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

A, B, C x मान के तीन समुच्चय हैं:

- A: 2,3,7,1,3,2,3
- B: 7,5,9,12,5,3,8
- C: 4,4,11,7,2,3,4

निम्नलिखित में से सही कथन का चयन करें

Options :

- 1.  A का माध्य C के बहुलक के बराबर है
- 2.  C का माध्य बी के माध्यिका के बराबर है
- 3.  B की माध्यिका A के बहुलक के बराबर है
- 4.  माध्य, माध्यिका और A के बहुलक समान हैं

Question Number : 163 Question Id : 16794315492 Question 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 cumulative frequency distribution is given below

Class	60-62	63-65	66-68	69-71	72-74
Cumulative frequency	3	20	36	48	50

Which one of the following class has maximum frequency?

Options :

- 1.  63-65
- 2.  66-68
- 3.  69-71
- 4.  72-74

Question Number : 163 Question Id : 16794315492 Question 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 वितरण नीचे दिया गया है

वर्ग	60-62	63-65	66-68	69-71	72-74
संचयी आवृत्ति	3	20	36	48	50

निम्न वर्ग में से कौन सा अधिकतम आवृत्ति है?

Options :

1.  63-65
2.  66-68
3.  69-71
4.  72-74

Question Number : 164 Question Id : 16794315493 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Calculate the mode from the following data

Class	50-60	60-70	70-80	80-90	90-100	100-110	110-120
Frequency	8	10	16	14	10	5	2

Options :

1.  77.5
2.  67.5
3.  87.5
4.  76

Question Number : 164 Question Id : 16794315493 Question 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 डेटा से बहुलक (Mode) की गणना करें

वर्ग	50-60	60-70	70-80	80-90	90-100	100-110	110-120
आवृत्ति	8	10	16	14	10	5	2

Options :

1.  77.5

2.  67.5

3.  87.5

4.  76

Question Number : 165 Question Id : 16794315494 Question 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 table gives the frequency distribution of the marks of 400 candidates in an examination

Marks	No of candidates	Marks	No of candidates
0-10	5	50-60	65
10-20	20	60-70	50
20-30	40	70-80	35
30-40	70	80-90	20
40-50	85	90-100	10

If the minimum marks required for passing are 35, what percentage of candidates passes the examination?

Options :

1.  75%

2.  70%

3.  80%

4.  65%

Question Number : 165 Question Id : 16794315494 Question 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 तालिका एक परीक्षा में 400 उम्मीदवारों के अंकों की आवृत्ति वितरण देता है

अंक	उम्मीदवारों की संख्या नहीं	अंक	उम्मीदवारों की संख्या नहीं
0-10	5	50-60	65
10-20	20	60-70	50
20-30	40	70-80	35
30-40	70	80-90	20
40-50	85	90-100	10

यदि पास होने के लिए न्यूनतम अंक 35 हैं, तो कितने प्रतिशत विद्यार्थी ने परीक्षा पास की है?

Options :

1.  75%
2.  70%
3.  80%
4.  65%

Question Number : 166 Question Id : 16794315495 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Calculate median for the following data

Class	0-4	4-6	6-8	8-12	12-18	18-20
Frequency	4	6	8	12	7	2

Options :

1.  8.5
2.  9
3.  8
4.  7.5

Question Number : 166 Question Id : 16794315495 Question 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 डेटा के लिए माध्यिका की गणना करें

वर्ग	0-4	4-6	6-8	8-12	12-18	18-20
आवृत्ति	4	6	8	12	7	2

Options :

1.  8.5
2.  9
3.  8
4.  7.5

Question Number : 167 Question Id : 16794315496 Question 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 welfare organization introduced an education scholarship scheme for the school going children of a backward village. The rates of scholarships were fixed as given:

Age Group	Amount of scholarship per month
5-7	30
8-10	40
11-13	50
14-16	60
17-19	70

The ages (years) of 30 school going children are noted as

11,8,10,5,7,12,7,17,5,13,9,8,10,15,7,12,6,7,8,11,14,18,6,13,9,10,6,15,13,5 years respectively. Find out the total monthly scholarship amount being paid to the students

Options :

1.  1200
2.  1290
3.  1300
4.  1390

Question Number : 167 Question Id : 16794315496 Question 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 कल्याण संगठन ने पिछड़े गांव के स्कूल जाने वाले बच्चों के लिए शिक्षा छात्रवृत्ति योजना शुरू की। छात्रवृत्ति की दरों को दिए गए आयु वर्ग अनुसार तय किया गया था

आयु वर्ग	प्रति माह छात्रवृत्ति की राशि
5-7	30
8-10	40
11-13	50
14-16	60
17-19	70

स्कूल जाने वाले 30 बच्चों की आयु (वर्षों) को 11,8,10,5,7,12,7,17,5,13,9,8,10,15,7,12,6,7,8,11,14,18,6,13,9,10,6,15,13,5 वर्षों में क्रमशः नोट किया जाता है। छात्रों को अवधि की जाने वाली कुल मासिक छात्रवृत्ति राशि ज्ञात करें

Options :

1. ✗ 1200
2. ✓ 1290
3. ✗ 1300
4. ✗ 1390

Question Number : 168 Question Id : 16794315497 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If  $a, b, c$  are positive real numbers such that  $a + b + c = 16$ , then  $abc$  will be greatest when:

Options :

1. ✗  $a = b \neq c$
2. ✓  $a = b = c$
3. ✗  $a \neq b = c$
4. ✗  $a \neq b \neq c$

Question Number : 168 Question Id : 16794315497 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

यदि  $a, b, c$  धनात्मक वास्तविक संख्या हैं, जैसे कि  $a+b+c=16$  है, तो  $abc$  अधिकतम कब होगा

Options :

1. ✗  $a = b \neq c$

2. ✓  $a = b = c$

3. ✗  $a \neq b = c$

4. ✗  $a \neq b \neq c$

Question Number : 169 Question Id : 16794315498 Question 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 minimum value of the sum of real numbers  $a^{-5}$ ,  $a^{-4}$ ,  $3a^{-3}$ , 1,  $a^8$  and  $a^{10}$  with  $a > 0$  is:

Options :

1. ✗ 6

2. ✗ 7

3. ✓ 8

4. ✗ 9

Question Number : 169 Question Id : 16794315498 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$a > 0$ ,  $a^{-5}$ ,  $a^{-4}$ ,  $3a^{-3}$ , 1,  $a^8$  and  $a^{10}$  वाली वास्तविक संख्या के योग का न्यूनतम मान है:

Options :

1. ✗ 6

2. ✗ 7

3. ✓ 8

4. ✗ 9

Question Number : 170 Question Id : 16794315499 Question 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  $m > 1$  and  $n \in N$ , such that  $1^m + 2^m + 3^m + \dots + n^m \geq n \left(\frac{n+1}{k}\right)^m$ , then  $k = ?$

Options :

1. ✓ 2

2. ✘  $n$

3. ✘  $m$

4. ✘ 1

Question Number : 170 Question Id : 16794315499 Question 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  $m > 1$  तथा  $n \in N$ , है जैसा कि  $1^m + 2^m + 3^m + \dots + n^m \geq n \left(\frac{n+1}{k}\right)^m$  है, तो  $k =$

Options :

1. ✓ 2

2. ✘ n

3. ✘ मीटर

4. ✘ 1

Question Number : 171 Question Id : 16794315500 Question 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  $ai > 0$  for  $i = 1, 2, 3, \dots, n$  and  $a_1 a_2 a_3 \dots a_n = 1$  then the greatest value of  $(1 + a_1)(1 + a_2) \dots (1 + a_n)$  is:

Options :

1. ✘  $2^{\frac{n}{2}}$

2. ✓  $2^n$

3. ✘  $2^{2n}$

4. ✘ 1

Question Number : 171 Question Id : 16794315500 Question 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  $i = 1, 2, 3, \dots, n$  तथा  $a_1 a_2 a_3 \dots a_n = 1$  के लिए  $ai > 0$  है तो  $(1 + a_1)(1 + a_2) \dots (1 + a_n)$  का सबसे बड़ा मान है:

Options :

1. ✘  $2^{\frac{n}{2}}$

2. ✓  $2^n$

3. ✗  $2^{2n}$

4. ✗ 1

Question Number : 172 Question Id : 16794315501 Question 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  $a, b > 0$ , then the maximum value of  $\frac{a^3 b}{(a+b)^4}$  is:

Options :

1. ✗  $\frac{81}{512}$

2. ✓  $\frac{27}{256}$

3. ✗  $\frac{27}{512}$

4. ✗  $\frac{81}{256}$

Question Number : 172 Question Id : 16794315501 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर  $a, b > 0$  , तो अधिकतम मान  $\frac{a^3 b}{(a+b)^4}$  है:

Options :

1. ✗  $\frac{81}{512}$

2. ✓  $\frac{27}{256}$

3. ✗  $\frac{27}{512}$

4. ✗  $\frac{81}{256}$

Question Number : 173 Question Id : 16794315502 Question 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  $f$  be a differentiable function defined for all  $x \in R$  such that  $f(x^3) = x^5$  for all  $x \in R, x \neq 0$ . Then the value of  $\frac{df}{dx}(8)$  is:

Options :

1. ✗ 20

2. ✓  $\frac{20}{3}$

3. ✗  $\frac{5}{3}$

4. ✗ None of these

Question Number : 173 Question Id : 16794315502 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$f$  को  $x \in R$  सभी के लिए निर्धारित अवकलन योग्य फंक्शन मानें जैसे कि  $f(x^3) = x^5$  सभी के लिए  $x \in R, x \neq 0$ .

तो  $\frac{df}{dx}(8)$  का मान है:

Options :

1. ✗ 20

2. ✓  $\frac{20}{3}$

3. ✗  $\frac{5}{3}$

4. ✗ इनमे से कोई नहीं

Question Number : 174 Question Id : 16794315503 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If  $\sin y + e^{-x} \cos y = c$ , then  $\frac{dy}{dx}$  at  $(1, \pi)$  is:

Options :

1. ✗  $\sin y$

2. ✗  $-x \cos y$

3.   $e$

4.   $\sin y - x \cos y$

Question Number : 174 Question Id : 16794315503 Question 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  $\sin y + e^{-x} \cos y = c$ , है तो  $\frac{dy}{dx}$  पर  $(1, \pi)$  है:

Options :

1.   $\sin y$

2.   $-x \cos y$

3.   $e$

4.   $\sin y - x \cos y$

Question Number : 175 Question Id : 16794315504 Question 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  $f(4) = 4$ ,  $f'(4) = 1$ , then  $\lim_{x \rightarrow 4} \frac{2 - \sqrt{f(x)}}{2 - \sqrt{x}}$  is equal to:

Options :

1.   $-1$

2.   $1$

3.   $2$

4.   $-2$

Question Number : 175 Question Id : 16794315504 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

अगर  $f(4) = 4$ ,  $f'(4) = 1$ , तो  $\lim_{x \rightarrow 4} \frac{2 - \sqrt{f(x)}}{2 - \sqrt{x}}$  के बराबर है:

Options :

1.   $-1$

2.   $1$

3. ✘ 2

4. ✘ -2

Question Number : 176 Question Id : 16794315505 Question 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  $\int \frac{(x-1)^2}{(x^2+1)^2} dx = \tan^{-1} x + g(x) + k$ , then  $g(x) =$

Options :

1. ✘  $\tan^{-1} \frac{x}{2}$

2. ✓  $\frac{1}{x^2 + 1}$

3. ✘  $\frac{1}{2(x^2 + 1)}$

4. ✘ None of these

Question Number : 176 Question Id : 16794315505 Question 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  $\int \frac{(x-1)^2}{(x^2+1)^2} dx = \tan^{-1} x + g(x) + k$ , है तो  $g(x) =$

Options :

1. ✘  $\tan^{-1} \frac{x}{2}$

2. ✓  $\frac{1}{x^2+1}$

3. ✘  $\frac{1}{2(x^2+1)}$

4. ✘ इनमे से कोई नहीं

Question Number : 177 Question Id : 16794315506 Question 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 anti derivative of  $\frac{e^{3x} + e^x}{e^{4x} - e^{2x} + 1}$  is  $f(e^x - e^{-x}) + C$ , then  $f(x)$  is equal to:

Options :

1. ✘  $\sin x$
2. ✘  $\cos^{-1} x$
3. ✓  $\tan^{-1} x$
4. ✘  $\tan x$

Question Number : 177 Question Id : 16794315506 Question 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  $\frac{e^{3x} + e^x}{e^{4x} - e^{2x} + 1}$  का प्रति-व्युत्पन्न  $f(e^x - e^{-x}) + C$ , है तो  $f(x)$  इसके बराबर है:

Options :

1. ✘  $\sin x$
2. ✘  $\cos^{-1} x$
3. ✓  $\tan^{-1} x$
4. ✘  $\tan x$

Question Number : 178 Question Id : 16794315507 Question 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  $I_1 = \int_e^{e^2} \frac{dx}{\log x}$  and  $I_2 = \int_1^2 \frac{e^x}{x} dx$ , then

Options :

1. ✘  $I_1 = 2I_2$
2. ✘  $I_2 = 2I_1$
3. ✘  $I_1 + I_2 = 0$
4. ✓  $I_1 - I_2 = 0$

Question Number : 178 Question Id : 16794315507 Question 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  $I_1 = \int_e^{e^2} \frac{dx}{\log x}$  and  $I_2 = \int_1^2 \frac{e^x}{x} dx$ , है तो

Options :

1. ✘  $I_1 = 2I_2$

2. ✘  $I_2 = 2I_1$

3. ✘  $I_1 + I_2 = 0$

4. ✓  $I_1 - I_2 = 0$

Question Number : 179 Question Id : 16794315508 Question 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 characteristic polynomial of  $3 \times 3$  matrix  $A$  is  $|A - \lambda I| = \lambda^3 + 3\lambda^2 + 4\lambda + 3$ . Let  $x = \text{trace}(A)$  and  $y = |A|$ , the determinant of  $A$ . Then

Options :

1. ✘  $\frac{x}{y} = \frac{3}{4}$

2. ✘  $\frac{x}{y} = \frac{4}{3}$

3. ✓  $x = y = -3$

4. ✘  $x = 3, y = -3$

Question Number : 179 Question Id : 16794315508 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$3 \times 3$  मैट्रिक्स  $A$  की विशेषता बहुपद है,  $|A - \lambda I| = \lambda^3 + 3\lambda^2 + 4\lambda + 3$ . आइए  $x = \text{trace}(A)$  और  $y = |A|$ , को  $A$  की सारणी मानें। तो:

Options :

1. ✘  $\frac{x}{y} = \frac{3}{4}$

2. ✘  $\frac{x}{y} = \frac{4}{3}$

3. ✓  $x = y = -3$

4. ✘  $x = 3, y = -3$

Question Number : 180 Question Id : 16794315509 Question 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  $S = \{(-1, 0, 1), (2, 1, 4)\}$ . The value of  $k$  for which the vector  $(3k + 2, 3, 10)$  belongs to the linear span of  $S$  is:

Options :

1. ✗ -2

2. ✓ 2

3. ✗ 8

4. ✗ 3

Question Number : 180 Question Id : 16794315509 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$S = \{(-1, 0, 1), (2, 1, 4)\}$ . को  $k$  का मान मानें जिसके लिए सदिश (वेक्टर)  $(3k + 2, 3, 10)$   $S$  के ऐकिक विस्तार से संबंधित है:

Options :

1. ✗ -2

2. ✓ 2

3. ✗ 8

4. ✗ 3

#### Subject Related

Group Number :

10

Group Id :

167943543

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 :

167943608

<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional:</b>	Mandatory
<b>Number of Questions:</b>	20
<b>Number of Questions to be attempted:</b>	20
<b>Section Marks:</b>	20
<b>Display Number Panel:</b>	Yes
<b>Group All Questions:</b>	No

<b>Sub-Section Number:</b>	1
<b>Sub-Section Id:</b>	167943972
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 181 Question Id : 16794315510 Question 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  $x \in R$  for which the vectors  $(1, x, 0), (0, x^2, 1)$  and  $(0, 1, x)$  are linearly independent in  $R^3$  is:

**Options :**

1. ✘  $\{x \in R : x = 0\}$

2. ✘  $\{x \in R : x \neq 0\}$

3. ✓  $\{x \in R : x \neq 1\}$

4. ✘  $\{x \in R : x \neq -1\}$

**Question Number : 181 Question Id : 16794315510 Question 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 का सेट  $x \in R$  जिसके लिए सदिश (वेक्टर)  $(1, x, 0), (0, x^2, 1)$  तथा  $(0, 1, x)$ ,  $R^3$  में ऐकिक रूप से स्वतंत्र हैं:

**Options :**

1. ✘  $\{x \in R : x = 0\}$

2. ✘  $\{x \in R : x \neq 0\}$

3. ✓  $\{x \in R : x \neq 1\}$

4. ✘  $\{x \in R : x \neq -1\}$

**Question Number : 182 Question Id : 16794315511 Question 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 dimension of the vector space formed by the solution of the system of following equations?

$$x_1 + x_2 + x_3 = 0; x_1 + 2x_2 = 0; x_2 - x_3 = 0.$$

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 0

Question Number : 182 Question Id : 16794315511 Question 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 समीकरणों के सिस्टम के समाधान द्वारा बनाए गए वेक्टर स्पेस का आयाम क्या है?

$$x_1 + x_2 + x_3 = 0; x_1 + 2x_2 = 0; x_2 - x_3 = 0.$$

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 0

Question Number : 183 Question Id : 16794315512 Question 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  $V$  is the real vector space of all mapping from  $\mathbb{R}$  to  $\mathbb{R}$ ,  $V_1 = \{f \in V : f(-x) = f(x)\}$  and

$V_2 = \{f \in V : f(-x) = -f(x)\}$ , then which one of the following is correct.

Options :

1. ✗ Neither  $V_1$  nor  $V_2$  are subspaces of  $V$

2. ✗  $V_1$  is a subspace of  $V$ , but  $V_2$  is not a subspace of  $V$

3. ✗  $V_1$  is not a subspace of  $V$ , but  $V_2$  is a subspace of  $V$

4. ✓ both  $V_1$  and  $V_2$  are subspaces of  $V$

Question Number : 183 Question Id : 16794315512 Question 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  $V$ ,  $\mathbb{R}$  से  $\mathbb{R}$  तक के सभी मैपिंग का वास्तविक बेक्टर स्पेस  $V_1 = \{f \in V : f(-x) = f(x)\}$  तथा  $V_2 = \{f \in V : f(-x) = -f(x)\}$  है, तो निम्नलिखित में से कौन सा सही है।

Options :

1. ✗ न ही  $V_1$  और न ही  $V_2$   $\mathbb{V}$  के उप-स्थान हैं
2. ✗  $V_1$   $\mathbb{V}$  का एक उप-स्थान है, लेकिन  $V_2$   $\mathbb{V}$  का उप-स्थान नहीं है
3. ✗  $V_1$   $\mathbb{V}$  का उप-स्थान नहीं है, लेकिन  $V_2$  वी का एक उप-स्थान है
4. ✓ दोनों  $V_1$  तथा  $V_2$   $\mathbb{V}$  के उप-स्थान हैं

Question Number : 184 Question Id : 16794315513 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

If  $n$  pigeons are assigned to  $m$  pigeonholes then one of the pigeonholes must contain at least \_\_\_\_\_ pigeons.

Options :

1. ✗  $\left(\frac{n-1}{m}\right)$
2. ✓  $\left(\frac{n-1}{m}\right) + 1$
3. ✗  $\left(\frac{n}{m} - 1\right)$
4. ✗  $\left(\frac{n+1}{m}\right) - 1$

Question Number : 184 Question Id : 16794315513 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

यदि  $n$  कबूतरों को  $m$  घोसला दिया जाता है तो एक घोसले में कम से कम \_\_\_\_\_ कबूतर होना चाहिए

Options :

1. ✗  $\left(\frac{n-1}{m}\right)$
2. ✓  $\left(\frac{n-1}{m}\right) + 1$

3. ✘  $\left(\frac{n}{m} - 1\right)$

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

Question Number : 185 Question Id : 16794315514 Question 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  $r^{th}$  term in the expansion of  $\left(\frac{x}{3} - \frac{2}{x^2}\right)^{10}$  contains  $x^4$ , then r is equal to:

Options :

1. ✘ 4

2. ✘ 3

3. ✘ 2

4. ✓ None of these

Question Number : 185 Question Id : 16794315514 Question 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  $\left(\frac{x}{3} - \frac{2}{x^2}\right)^{10}$  के विस्तार में वर्तमान पद में  $x^4$  शामिल हैं, तो R बराबर है:

Options :

1. ✘ 4

2. ✘ 3

3. ✘ 2

4. ✓ इनमें से कोई नहीं

Question Number : 186 Question Id : 16794315515 Question 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 of integers between 1 and 250, that are divisible by any of the integer 2, 3 and 7.

Options :

1. ✓ 179

2. ✘ 170

3. ✘ 182

4. ✘ 185

Question Number : 186 Question Id : 16794315515 Question 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 और 250 के बीच पूर्णांक की संख्या ज्ञात करें, जो किसी भी पूर्णांक 2, 3 और 7 द्वारा विभाजित हैं।

Options :

1. ✓ 179

2. ✘ 170

3. ✘ 182

4. ✘ 185

Question Number : 187 Question Id : 16794315516 Question 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  $47_{C_4} + \sum_{r=1}^5 52_{C_3}$  is equal to:

Options :

1. ✓  $52_{C_4}$

2. ✘  $51_{C_3}$

3. ✘  $51_{C_4}$

4. ✘ None of these

Question Number : 187 Question Id : 16794315516 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$47_{C_4} + \sum_{r=1}^5 52_{C_3}$  का मान इसके बराबर है:

Options :

1. ✓  $52_{C_4}$

2. ✘  $51_{C_3}$

3. ✘ 51<sub>C<sub>4</sub></sub>

4. ✘ इनमे से कोई नहीं

Question Number : 188 Question Id : 16794315517 Question 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 recurrence  $T(n) = 2T(n - 1) + n$ , for  $n \geq 2$  and  $T(1) = 1$  evaluates to:

Options :

1. ✓  $2^{n+1} - n - 2$

2. ✘  $2^n - n$

3. ✘  $2^n + n$

4. ✘  $2^{n+1} - 2n - 2$

Question Number : 188 Question Id : 16794315517 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

$n \geq 2$  और  $T(1)=1$  के लिए पुनरावृत्ति  $T(n) = 2T(n-1) + n$ , मूल्यांकन करता है:

Options :

1. ✓  $2^{n+1} - n - 2$

2. ✘  $2^n - n$

3. ✘  $2^n + n$

4. ✘  $2^{n+1} - 2n - 2$

Question Number : 189 Question Id : 16794315518 Question 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 k for which the pair of linear equations  $4x + 6y - 1 = 0$  and  $2x + ky - 7 = 0$  represents parallel lines is:

Options :

1. ✓  $k = 3$

2. ✘  $k = 2$

3. ✘  $k = 4$

4. ✘  $k = -2$

Question Number : 189 Question Id : 16794315518 Question 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 का मान जिसके लिए रैखिक समीकरणों का युग्म  $4x + 6y - 1 = 0$  और  $2x + ky - 7 = 0$  समांतर रेखाओं का प्रतिनिधित्व करता है:

Options :

1. ✓  $k = 3$

2. ✘  $k = 2$

3. ✘  $k = 4$

4. ✘  $k = -2$

Question Number : 190 Question Id : 16794315519 Question 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 lines representing the linear equations  $2x - y = 3$  and  $4x - y = 5$ .

Options :

1. ✓ intersect at a point

2. ✘ are parallel

3. ✘ are coincident

4. ✘ intersect at exactly two points

Question Number : 190 Question Id : 16794315519 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

रैखिक समीकरण  $2x - y = 3$  और  $4x - y = 5$  का प्रतिनिधित्व करने वाली रेखाएँ, जो

Options :

1. ✓ एक बिंदु पर प्रतिच्छेद करती है

2. ✘ समानांतर है

3. ✘ अनुकूल है

4. ✘ ठीक दो बिंदुओं पर प्रतिच्छेद करती है

Sub-Section Number: 2  
Sub-Section Id: 167943973  
Question Shuffling Allowed : Yes

Question Number : 191 Question Id : 16794315520 Question 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 concept can be defined as \_\_\_\_\_.

Chose the most appropriate answer from the options below:

Options :

1. ✘ A specific object with defined features

2. ✓ A group of objects with common characteristics

3. ✘ A unique property of individuals

4. ✘ A different perception of individuals

Question Number : 191 Question Id : 16794315520 Question 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 अवधारणा को \_\_\_\_\_ के रूप में परिभाषित किया जा सकता है

नीचे दिए गए विकल्पों से सबसे उचित उत्तर चुनें।

Options :

1. ✘ परिभाषित विशेषताओं के साथ एक विशिष्ट वस्तु

2. ✓ सामान्य विशेषताओं वाले वस्तुओं का एक समूह

3. ✘ व्यक्तियों की एक अनूठी संपत्ति

4. ✘ व्यक्तियों की एक अलग धारणा

Question Number : 192 Question Id : 16794315521 Question 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 made literacy a community endeavour?

Options :

1.  National Literacy Mission
2.  Rajiv Gandhi Vidya Mission
3.  Sarva Siksha Abhyans
4.  National Adult Education Programme

Question Number : 192 Question Id : 16794315521 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

निम्नलिखित में से किस साक्षरता ने एक सामुदायिक प्रयास किया?

Options :

1.  राष्ट्रीय साक्षरता मिशन
2.  राजीव गांधी विद्या मिशन
3.  सर्व शिक्षा अभियान
4.  राष्ट्रीय प्रौढ़ शिक्षा कार्यक्रम

Question Number : 193 Question Id : 16794315522 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Recognition, praise and reward as methods to reinforce appropriate behavior is proposed in which of the following theories?

Options :

1.  Trial and error method
2.  Discovery method of learning
3.  Classic conditioning
4.  Operant conditioning

Question Number : 193 Question Id : 16794315522 Question 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 सिद्धांतों में उचित व्यवहार को मजबूत करने के तरीकों के रूप में मान्यता, प्रशंसा और इनाम का प्रस्ताव है?

Options :

1.  परीक्षण और त्रुटि विधि
2.  सीखने की डिस्कवरी विधि
3.  क्लासिकल कंडीशनिंग
4.  ऑपरेंट कंडीशनिंग

Question Number : 194 Question Id : 16794315523 Question 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 we define subjects from the socio-cultural context; they help students to

Choose the best option to complete the statement:

Options :

1.  Prepare for the common exams
2.  Be successful as an individual
3.  Understand the society in which they live
4.  Seek better opportunities abroad

Question Number : 194 Question Id : 16794315523 Question 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 हम सामाजिक-सांस्कृतिक संदर्भ से विषयों को परिभाषित करते हैं; वे छात्रों की मदद करते हैं

कथन पूरा करने के लिए सबसे अच्छा विकल्प चुनें।

Options :

1.  आम परीक्षाओं के लिए तैयार करें
2.  एक व्यक्ति के रूप में सफल बनें

3. ✓ उस समाज को समझें जिसमें वे रहते हैं

4. ✗ विदेशों में बेहतर अवसर तलाशें

Question Number : 195 Question Id : 16794315524 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Devadasi system was prevalent in which part of India?

Options :

1. ✗ Northern India

2. ✓ Southern India

3. ✗ Western India

4. ✗ Eastern India

Question Number : 195 Question Id : 16794315524 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

देवदासी प्रणाली भारत के किस हिस्से में प्रचलित थी?

Options :

1. ✗ उत्तरी भारत

2. ✓ दक्षिणी भारत

3. ✗ पश्चिमी भारत

4. ✗ पूर्वी भारत

Question Number : 196 Question Id : 16794315525 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Enabling teachers to learn and assimilate new teaching skills under controlled conditions is done in which of the following?

Options :

1. ✗ Remedial teaching

2. ✗ Team teaching

3.  Micro teaching

4.  Peer teaching

Question Number : 196 Question Id : 16794315525 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

शिक्षकों को नियंत्रित स्थितियों के तहत नए शिक्षण कौशल को सीखने और आत्मसात करने में सक्षम करने में निम्नलिखित में से क्या किया जाता है?

Options :

1.  उपचारात्मक शिक्षण

2.  टीम शिक्षण

3.  सूक्ष्म शिक्षण

4.  समकक्ष प्रशिक्षण

Question Number : 197 Question Id : 16794315526 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

Phonics does not necessarily teach \_\_\_\_\_.

Choose the best option to complete the sentence:

Options :

1.  Blends of letters

2.  Intonation of sounds

3.  Pronunciation of the word

4.  Meaning of the word that is sounded

Question Number : 197 Question Id : 16794315526 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

नादविद्या जरूरी नहीं है \_\_\_\_\_।

वाक्य को पूरा करने के लिए सबसे अच्छा विकल्प चुनें।

Options :

1. ✘ पत्रों के मिश्रण
2. ✘ ध्वनियों का छेड़छाड़
3. ✘ शब्द का उच्चारण
4. ✓ लगता है कि शब्द का मतलब है

Question Number : 198 Question Id : 16794315527 Question 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 one in the options given below:

Options :

1. ✘ Rangoli
2. ✓ Theatre
3. ✘ Sculpture
4. ✘ Photography

Question Number : 198 Question Id : 16794315527 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

नीचे दिए गए विकल्पों में अजीब चुनें।

Options :

1. ✘ रंगोली
2. ✓ थिएटर
3. ✘ मूर्ति
4. ✘ फोटोग्राफी

Question Number : 199 Question Id : 16794315528 Question 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 changing trends in education reflect which of the following perspectives?

Options :

1. ✘ Community has significant say in education system
2. ✘ Society is dynamic
3. ✓ Education to be meaningful should align with the society
4. ✘ Education has strong philosophical foundations

Question Number : 199 Question Id : 16794315528 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

शिक्षा में बदलते रुझान निम्नलिखित में से कौन सा वृष्टिकोण दर्शाते हैं?

Options :

1. ✘ शिक्षा प्रणाली में समुदाय का महत्वपूर्ण कहना है
2. ✘ समाज गतिशील है
3. ✓ सार्थक होने के लिए शिक्षा समाज के साथ संरेखित होना चाहिए
4. ✘ शिक्षा में मजबूत दार्शनिक नींव है

Question Number : 200 Question Id : 16794315529 Question 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 philosophy of inclusion is built on the premise that \_\_\_\_\_.

Options :

1. ✘ All teachers are competent
2. ✘ All teachers can be trained
3. ✘ All students should be provided support
4. ✓ All students should be valued for their unique abilities

Question Number : 200 Question Id : 16794315529 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.25

समावेशन का दर्शन इस आधार पर बनाया गया है कि \_\_\_\_\_।

Options :

1. ✗ सभी शिक्षक सक्षम हैं
2. ✗ सभी शिक्षकों को प्रशिक्षित किया जा सकता है
3. ✗ सभी छात्रों को समर्थन प्रदान किया जाना चाहिए
4. ✓ सभी छात्रों को उनकी अद्वितीय क्षमताओं के लिए मूल्यवान होना चाहिए