Question 1. Select the related word/letters/numbers from the given alternatives:

दिये गये विकल्पों में से संबन्धित शब्द/अक्षर/संख्या को चुनें।

Money : Poverty : : Education : ?

Options:
1) Knowledge ज्ञान
2) Greediness लालच
3) Illiteracy निराकरता
4) Unsuccess असफलता

Correct Answer: Illiteracy निराकरता
Candidate Answer: Knowledge ज्ञान

Question 2. Select the related word/letters/numbers from the given alternatives:

दिये गये विकल्पों में से संबन्धित शब्द/अक्षर/संख्या को चुनें।

BEF : GJK : : LOP : ?

Options:
1) QUV
2) QTU
3) QST
4) QUT

Correct Answer: QTU
Candidate Answer: QTU

Question 3. Select the related word/letters/numbers from the given alternatives:

दिये गये विकल्पों में से संबन्धित शब्द/अक्षर/संख्या को चुनें।


Options:
1) 22
2) 24
3) 27
4) 29

Correct Answer: 27
Candidate Answer: 27
Question 4.

For the following questions
Find the odd words/letters/number from the given alternatives.

दिए गए विकल्पों में से विषम शब्द/अक्सर/संख्या को पुनिते

Options:
1) CZHK
2) MLAG
3) XVBU
4) SEND
Correct Answer: CZHK
Candidate Answer: CZHK

Question 5.

For the following questions
Find the odd words/letters/number from the given alternatives.

दिए गए विकल्पों में से विषम शब्द/अक्सर/संख्या को पुनिते

Options:
1) Lion
2) Panther
txeba
3) Tiger
4) Wolf
Correct Answer: Wolf
Candidate Answer: Wolf

Question 6.

For the following questions
Find the odd words/letters/number from the given alternatives.

दिए गए विकल्पों में से विषम शब्द/अक्सर/संख्या को पुनिते

Options:
1) 5,124
2) 7,342
3) 3,26
4) 2,15
Correct Answer: 2,15
Candidate Answer: 2,15

Question 7. Arrange the following words as per order in the dictionary.

निम्नलिखित शब्दों को शब्दकोश में दिए गए क्रम के अनुसार लिखिए
1. Preach
2. Praise
3. Precinet
4. Precept
5. Precede
Question 8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

Options:
1) 2, 1, 5, 4, 3
2) 2, 1, 3, 4, 5
3) 2, 5, 1, 4, 3
4) 1, 2, 5, 4, 3
Correct Answer: 2, 1, 5, 4, 3
Candidate Answer: 2, 1, 5, 4, 3

Question 9. In the following question, one term in the number series is wrong. Find out the wrong term?

Options:
1) 80
2) 320
3) 550
4) 2560
Correct Answer: 550
Candidate Answer: 320

Question 10. A prime number between 10 and 50 remains unchanged if its digits are reversed. Then the square of such a number is:

Options:
1) 121
2) 484
3) 1089
4) 1936
Correct Answer: 121
Candidate Answer: 121

Question 11. Gopal is older than Mohan but younger than Ram. Mohan is older than Sohan but younger than Ram. Who is the oldest?

Options:
1) Gopal
2) Mohan
3) Ram
4) Sohan
Correct Answer: Ram
Candidate Answer: Ram
राम

Question 12. From the given alternative words, select the word which cannot be formed using the letters of the given word:

निम्नलिखित विकल्पों में से वह शब्द चुनिए जो दिए गए शब्द के अक्षरों का प्रयोग करके नहीं बनाया जा सकता?

ENDEAVOUR

Options:
1) Devour
2) Round
3) Drown
4) Drove

Correct Answer: Drown

Candidate Answer: Devour

Question 13. In a certain code GIVE is written as VIEG and OVER is written as EVRO. How will DISK be written in that code?

किसी कूट में GIVE को VIEG के रूप में लिखा जाता है और OVER को EVRO के रूप में लिखा जाता है। उसी कूट में DISK को कैसे लिखें?

Options:
1) SIDK
2) KISD
3) KDSI
4) SKID

Correct Answer: SKID

Candidate Answer: SKID

Question 14. If A denotes '+', B denotes '-', C denotes 'x' and D denotes '÷', then which of the following statement is true?

यदि A का आशय '+' है, B का आशय '-' है, C का आशय 'x' है, और D का आशय '÷' है, तो कौनसा कथन सही है?

Options:
1) 8B6D2A4C3 = 15
2) 8ABB8C8 = -48
3) 9CB9D9A9 = 17
4) 3A3B3C3A3D3 = 4

Correct Answer: 8ABB8C8 = -48

Candidate Answer: 8B6D2A4C3 = 15

Question 15. In this question, some equations are solved on the basis of a certain system. On the same basis find out the correct answer from amongst the four alternatives for the unsolved equation.

कुछ समीकरणों का हल किए गए हैं। उसी आधार पर दिए गए विकल्पों में से सही उत्तर चुनकर लिखिए:

462 = 551
398 = 487
856 = ?

Options:
1) 745
2) 773
3) 945
4) 743

Correct Answer: 945

Candidate Answer: 745
Question 16. Find the missing number in the series

दिए गए विकल्पों में से सूचीबद्ध संख्या जाती है

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<th>7</th>
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<td>9</td>
<td>13</td>
<td>11</td>
</tr>
<tr>
<td>3</td>
<td>7</td>
<td>?</td>
</tr>
</tbody>
</table>

Options:
1) 5
2) 6
3) 7
4) 8
Correct Answer: 5
Candidate Answer: 6

Question 17. Prem starts to school from his house and walks 400 metres towards north, turns left and walks 100 metres, turns left and walks 200 metres, turns left and walks 100 metres. How far he is away from his house?

प्रेम अपने घर से दक्षिण की ओर 400 मीटर चला, फिर बाया मुड़कर 100 मीटर चला, और फिर बाया मुड़कर 200 मीटर चला। अंत में वह फिर से बाया मुड़ा और 100 मीटर चला। ऊपर यह आपने घर से कितनी दूर है?

Options:
1) 100 m
2) 300 m
3) 200 m
4) 250 m
Correct Answer: 200 m
Candidate Answer: 250 m

Question 18. Consider the given statement/s to be true and decide which of the given conclusions/assumptions can definitely be drawn from the given statement.

Statement: 1. All elephants are men.
2. All men are socks.

Conclusion I: Some socks are elephants.
Conclusion II: All elephants are socks.

तिनसूचित प्रथम में एक या दो वक्तव्य दिये गये हैं, जिसके आगे दो निम्नलिखित/मान्यताएं, I और II निकाले गये हैं। आपको विचार करना है कि वक्तव्य सत्य है चाहे वह सामान्यत: शर्त तथ्यों से फिर ज्यादा होता हो। आपको निर्णय करना है कि दिए गए वक्तव्य में से कोन-सा विशिष्ट रूप से सही निम्नलिखित/मान्यता निकाला जा सकता है?

वक्तव्य: 1. सभी हाथी पुरुष हैं।
2. सभी पुरुष जुरावे हैं।

निम्नलिखित: I कुछ जुरावे हाथी हैं।
II सभी हाथी जुरावे हैं।

Options:
1) Only Conclusion I follows
2) Only Conclusion II follows
3) Both Conclusions I and II follows
4) Neither conclusion I nor II follows

Correct Answer: Both Conclusions I and II follows
Candidate Answer: Only Conclusion II follows
Question 19. How many triangles are there in the question figure?

दी गई आकृति में कितने त्रिभुज हैं?

Options:
1) 24
2) 36
3) 40
4) 44

Correct Answer: 40
Candidate Answer: 36

Question 20. Identify the diagram that best represents the relationship among classes given below: Editors, Professors and Men

वह आरेख चुनें जो नीचे दिए गए वर्गों के बीच सही सम्बन्ध को दर्शाता है? सम्पादक, प्रोफेसर और पुरुष

Options:
1)
2)
3)
4)

Correct Answer:
Question 21. Which answer figure will complete the pattern in the question figure?

कौन सी उत्तर आकृति प्रश्न आकृति के प्रतिरूप को पूरा करेगी?

Options:
1)

2)

3)

4)
Question 22. From the given answer figures, select the one in which the question figure is hidden/embedded.

दी गई उत्तर आकृतियों में से उसे दूर रखने की जिसली प्रक्रिया आनुभवित है ?
Question 23. A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.

यदि किसी कागज को, नीचे प्रश्न आकृतियों में दिखाए अनुसार मोड कर काटा जाए तो खोलने के बाद वह किस उत्तर आकृति जैसा दिखाई देगा?

Options:
1)

2)

3)

4)

Correct Answer:

Candidate Answer:
Options:

1)

2)

3)

4)

Correct Answer:

Candidate Answer:
Question 24. If a mirror is places on the line MN, then which of the answer figures is the right image of the given figure?

यदि एक दर्पण को MN रेखा पर रखा जाए तो शीर्ष आकृतियों में से कौन-सी आकृति प्रस्तुत आकृति का सही प्रतिबिंब होगी?

Options:
1)

2)

3)

4)

Correct Answer:
Question 25. In the question, a word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'A' can be represented by 04, 12, etc., and 'U' can be represented by 59, 66, etc.

Similarly, you have to identify the set for the word 'ROOT'.

Options:
1) 55, 56, 99, 59
2) 67, 68, 87, 66
3) 79, 75, 68, 77
4) 86, 87, 56, 88

Correct Answer: 79, 75, 68, 77
Candidate Answer: 79, 75, 68, 77

Question 26. Money transfer through mobile is called __________.

Options:
1) IFSC
2) ATM
3) IMPS
4) IFS

Correct Answer: IMPS
Candidate Answer: IFS

Question 27. Which of the following was not a purpose for building Farakka Barrage?

Options:
1) Checking water flowing into Bangladesh
2) Checking silting of Kolkata Port
3) Preventing erosion of Kolkata Port
4) Facilitating navigation in Ganga river

Correct Answer: Checking silting of Kolkata Port
Candidate Answer: Checking water flowing into Bangladesh
Correct Answer: Facilitating navigation in Ganga river
गंगा नदी में जहाजों की आवश्यकता को सुनिश्चित करना

Candidate Answer: [ NOT ANSWERED ]

Question 28. Who decides disputes regarding disqualification of members of Parliament?
सांसदों की अयोग्यता सम्बन्धी विवादों का फैसला कौन करता है?

Options:
1) The Supreme Court
सुप्रीम कोर्ट
2) The Election Commission
चुनाव आयोग
3) The Prime Minister in Consultation with the Election Commission
प्रधानमंत्री चुनाव आयोग से परमाणु लेकर समन्वय में
4) The President in Consultation with the Election Commission
पresident चुनाव आयोग से परमाणु लेकर समन्वय में

Correct Answer: The President in Consultation with the Election Commission
चुनाव आयोग से परमाणु लेकर समन्वय में

Candidate Answer: [ NOT ANSWERED ]

Question 29. In ________ forests, trees shed their leaves in a particular season.
_________ वनों में वृक्ष एक निश्चित मौसम में अपने पत्ते का त्याग करते हैं?

Options:
1) evergreen
सदाबहार
2) mangrove
गरान
3) deciduous
पणपती
4) thorny
कँटे ही

Correct Answer: deciduous
पणपती

Candidate Answer: [ NOT ANSWERED ]

Question 30. The famous poet Amir Khusrau was contemporary of all except following:
प्रसिद्ध कवि अमीर खुसरो निम्नलिखित में से किसके साथ समान समय थे?

Options:
1) Alauddin Khilji
अलाउद्दीन खिलजी
2) Ghiyasuddin Balban
ग्यासुद्दीन बलबन
3) Iltutmish
इल्तुत्मिश
4) Jalaluddin Khilji
जलालुद्दीन खिलजी

Correct Answer: Iltutmish
इल्तुत्मिश

Candidate Answer: [ NOT ANSWERED ]

Question 31. G-20 is the Group of Twenty largest economies represented by their
जी-20 विश्व की सबसे बड़ी अर्थव्यवस्थाओं का एक समूह है जिसका प्रतिनिधित्व निम्नलिखित में से किसके हाथों उन्होंने किया जाता है?

Options:
1) Prime Ministers only
केवल प्रधानमंत्री ही
2) Finance Ministers only
केवल वित्त मंत्री ही
3) Finance Ministers and Central Bank Governors
वित्त मंत्रियों तथा केन्द्रीय बैंक के निदेशक ही
4) Heads of States
राष्ट्रपति ही

Correct Answer: Finance Ministers and Central Bank Governors
वित्त मंत्रियों तथा केन्द्रीय बैंक के निदेशक ही
Correct Answer: Finance Ministers and Central Bank Governors
वित्त मंत्रीयों तथा केन्द्रीय बैंक के गवर्नरों द्वारा

Candidate Answer: [ NOT ANSWERED ]

Question 32. Cache memory works on the principle of ________.
कैच मैमरी किस सिद्धांत पर कार्य करती है?

Options:
1) Locality of data डाटा की स्थिति
2) Locality of reference रेफरेंस की स्थिति
3) Locality of Memory मैमरी की स्थिति
4) Locality of Memory & reference मैमरी और रेफरेंस की स्थिति

Correct Answer: Locality of reference रेफरेंस की स्थिति

Candidate Answer: [ NOT ANSWERED ]

Question 33. Where is the headquarters of National Film Archives of India (NFAI) located?
भारत के राष्ट्रीय फिल्म अंकित-कार्यालय (एन एफ ए आई) का मुख्यालय कहाँ पर है?

Options:
1) Pune पुणे
2) Chennai चेन्नई
3) Bangalore बैंगलोर
e) Mumbai मुम्बई

Correct Answer: Pune पुणे

Candidate Answer: [ NOT ANSWERED ]

Question 34. In India, the Black Revolution is related to the manufacturing of which product?
भारत में कृष्ण वादन किस उत्पाद के विकास में सहायक है?

Options:
1) Charcoal काठकोयला
2) Crude petroleum क्रूड पेट्रोलियम
e) Diamond हीरा
4) Black gram काला चना

Correct Answer: Crude petroleum क्रूड पेट्रोलियम

Candidate Answer: Charcoal काठकोयला

Question 35. Who introduced Western education?
पश्चिमी शिक्षा का बौद्धिक ब्रितानी उपनगर के विकास में सहायक है?

Options:
1) Raja Ram Mohan Roy राजा राम मोहन राय
e) Lal Bahadur Shastri लाल बहादुर शास्त्री
e) Netaji Subhash Chandra Bose नेताजी सुभाषचंद्र बोस
e) Sardar Vallabhai Patel सरदार वल्लभबाई पटेल
Correct Answer: Raja Ram Mohan Roy
राजा राम मोहन राय

Candidate Answer: [ NOT ANSWERED ]

Question 36. Bridgmanite is
क्रिजमेनाइट बना है?

Options:
1) A bridge on the river Thames
टेम्स नदी पर एक पुल
2) Name of a game
एक खेल का नाम
3) Earth's most abundant mineral
धरती पर सबसे सामान्य मात्रा में पाए जाने वाले खनिज का नाम
4) Name of a music
एक वर्णक के संगीत का नाम

Correct Answer: Earth's most abundant mineral
धरती पर सबसे सामान्य मात्रा में पाये जाने वाले खनिज का नाम

Candidate Answer: Earth's most abundant mineral
धरती पर सबसे सामान्य मात्रा में पाये जाने वाले खनिज का नाम

Question 37. The 18th Asian Games also known as 'Asiad' will be held in 2018 in
एशियाई के नाम से विश्ववाद 18वीं एशियाई खेलों का आयोजन 2018 में कहाँ किया जाएगा?

Options:
1) Bangkok
बैंकक्क
2) Jakarta
जकाता
3) Beijing
बीजिंग
4) Seoul
सेउल

Correct Answer: Jakarta
जकाता

Candidate Answer: Beijing
बीजिंग

Question 38. The Asiatic Society was established in Calcutta by -
कलक्टा में एशियाटिक सोसाइटी की स्थापना किसके द्वारा की गई?

Options:
1) Warren Hastings
वॉरेन हेस्टिंग्स
2) Sir William Jones
सर विलियम जोन्स
3) Raja Ram Mohan Roy
राजा राम मोहन राय
4) Macaulay
मैकॉले

Correct Answer: Sir William Jones
सर विलियम जोन्स

Candidate Answer: [ NOT ANSWERED ]

Question 39. Kutir Jyoti Scheme is associated with
कुटीर ऋग्नि सम्बन्धित है?

Options:
1) Warren Hastings
वॉरेन हेस्टिंग्स
2) Sir William Jones
सर विलियम जोन्स
3) Raja Ram Mohan Roy
राजा राम मोहन राय
4) Macaulay
मैकॉले
Options:
1) Promoting cottage industry in villages
2) Promoting employment among rural unemployed youth
3) Providing electricity to rural families living below poverty line
4) All of these

Correct Answer: Providing electricity to rural families living below poverty line

Candidate Answer: [ NOT ANSWERED ]

Question 40. The system of Budget was introduced in India during the Viceroyalty of -

Options:
1) Canning
2) Dalhousie
3) Ripon
4) Elgin

Correct Answer: Canning

Candidate Answer: Elgin

Question 41. Which river in the Southern Peninsula has the second largest river basin in India?

Options:
1) Godavari
2) Krishna
3) Cauvery
4) Mahanadi

Correct Answer: Godavari

Candidate Answer: Cauvery

Question 42. Which among the following has the maximum life span

Options:
1) Eagle
2) Tortoise
3) Tiger
4) Elephant

Correct Answer: Tortoise

Candidate Answer: Tortoise
Question 43. Which one of the following is a water soluble vitamin?

निम्नलिखित में से कौन-सा जल में पूर्णतः विद्युतित है?

Options:
1) A ए
2) C सी
3) K के
4) D डी

Correct Answer: C सी
Candidate Answer: A ए

Question 44. Biofortification is a _________________.

जैवविकीकरण से क्या तापच्यो है?

Options:
1) method of breeding crops to increase their nutritional value फसलों की भौतिकता के संघर्ष की अपाजण पद्धति
2) strategy to combat unwanted nutrients in plants पौधे में अनिश्चित पौधकों की प्रतिकार करने की योजना
3) method of developing resistance to insect pests रोजनक फौटो से प्रतिकृत वाणिज्य विकसित करने की पद्धति
4) method of plant breeding for disease resistance रोग प्रतिरोधी पौधों की विकसित करने की पद्धति

Correct Answer: method of breeding crops to increase their nutritional value फसलों की भौतिकता के संघर्ष की अपाजण पद्धति
Candidate Answer: method of plant breeding for disease resistance रोग प्रतिरोधी पौधों की विकसित करने की पद्धति

Question 45. The force which makes a vehicle to stop when break is applied is called

ब्रेक लगाने पर वाहन को रोकने वाले बल को क्या कहते हैं?

Options:
1) gravitational force गुप्लीबीय बल
2) vander-walls force वैंडर-वॉल्स बल
3) frictional force घायल बल
4) co-valant force सहसंयोजक बल

Correct Answer: frictional force घायल बल
Candidate Answer: frictional force घायल बल

Question 46. Synthetic detergents are prepared from

सिन्थेटिक प्रशालक किससे तैयार किये जाते हैं?

Options:
1) potassium salts of higher fatty-acids उच्च वसा-अम्ल वाले पॉटाशियम सॉल्द
2) sodium salts of higher fatty-acids उच्च वसा-अम्ल वाले सोडियम सॉल्द
3) hydrocarbons of petroleum पेट्रोलियम के हाइड्राँकार्बन
4) glycerides ग्लिसरिड्स निस्सेडिकाइक्स

Correct Answer: hydrocarbons of petroleum पेट्रोलियम के हाइड्राँकार्बन
Question 47. All doubts and disputes in connection with election of the President are inquired into and decided by __________.

राष्ट्रपति के चुनाव के समबन्ध में उसने वाले सभी संदेह व विवादों की ओर पड़ताल व निर्णय किसके द्वारा किये जाते हैं?

Options:
1) the Election Commission
2) the Supreme Court
3) the Parliament
4) Prime Minister

Correct Answer: the Supreme Court

Candidate Answer: [ NOT ANSWERED ]

Question 48. Name the longest lake in India?

भारत की सबसे समबी झील कौन-सी है?

Options:
1) Pangong lake
2) Pulicat Lake
3) Kolleru Lake
4) Vembanad Lake

Correct Answer: Vembanad Lake

Candidate Answer: Pulicat Lake

Question 49. Red Data Book provides an account of

रेड डेटा बुक में किसका विवरण दर्ज होता है?

Options:
1) extinct animals only
kे वलवलुत जानवर का
2) endangered plants & animals
संकटवस्त पौधीव्यंत व जीवीय का
3) endangered plants only
के वलसंकटवस्त पौधी का
4) fossil plants
पौधी के जीवाश्रय का

Correct Answer: endangered plants & animals

Candidate Answer: [ NOT ANSWERED ]

Question 50. Suez Canal connects

सेल्स नाब जिसको मिलाती है?

Options:
1) Red Sea and Arabian Sea
लाल सागर व अरब सागर
2) Red Sea and Mediterranean Sea
लाल सागर व भूमय सागर
3) Arabian Sea and Mediterranean Sea
अरब सागर व भूमय सागर
4) North Sea and Baltic Sea
उत्तरी सागर व बाल्टिक सागर

Correct Answer: Red Sea and Mediterranean Sea

Candidate Answer: [ NOT ANSWERED ]
**Question 51.** A and B together can complete a work in 24 days. B alone does 1/3rd part of this work in 12 days. How many days will A alone take to complete the remaining work?

**Options:**
1) 24
2) 36
3) 48
4) 72

**Correct Answer:** 48

**Candidate Answer:** [ NOT ANSWERED ]

**Question 52.** The heights of a cone and a cylinder are equal. The radii of their bases are in the ratio 2:1. The ratio of their volumes is:

**Options:**
1) 4:3
2) 3:4
3) 2:1
4) 1:2

**Correct Answer:** 4:3

**Candidate Answer:** 4:3

**Question 53.** A shopkeeper marks his goods 50% more than the cost price and allows a discount of 25%. His profit or loss percentage is:

**Options:**
1) 37.5%
2) 25.5%
3) 12.5%
4) 25%

**Correct Answer:** 12.5%

**Candidate Answer:** 25%

**Question 54.** A school has 8 periods of 45 minutes each, every day. How long will each period be if the school has to have 9 periods everyday, assuming the working hours to be the same?

**Options:**
1) 40 min
2) 35 min
3) 30 min
4) 45 min

**Correct Answer:** 40 min

**Candidate Answer:** [ NOT ANSWERED ]

**Question 55.** If the ratio of the cost price and the selling price of an article be 4:5, then the percentage of profit is:

**Options:**
1) 37.5%
2) 25.5%
3) 12.5%
4) 25%

**Correct Answer:** 12.5%
Options:
1) 
2) 25
3) 15
4) 10
Correct Answer: 25
Candidate Answer:
$2\sqrt{2}$

Question 56. In an ornament the ratio of gold and copper is 3:2. The percentage of gold in the ornament is:

किसी आभूषण में सोने तथा तौंबे का अनुपात 3:2 है। आभूषण में सोने का प्रतिशत कितना है?

Options:
1) 60
2) 40
3) 30
4) 20
Correct Answer: 60
Candidate Answer: [ NOT ANSWERED ]

Question 57. A boat moves downstream at the rate of 8km/hr. and upstream at 4Km/hr. The speed of the boat in still waters is:

एक नाव धारा के अनुकूल 8 कि.मी./घंटा की चाल से चलती है तथा धारा के विपरीत 4 कि.मी./घंटा की चाल से। शांत जल में नाव की चाल क्या होगी?

Options:
1) 4.5 km/hr.
2) 5 km/hr.
3) 6 km/hr.
4) 6.4 km/hr.
Correct Answer: 6 km/hr.
Candidate Answer: [ NOT ANSWERED ]

Question 58.

If $\sqrt[3]{n}= 2187$ then the value of n is

यदि $\sqrt[3]{n}= 2187$, तो n का मान बताएँ

Options:
1) 13
2) 14
3) 15
4) 16
Correct Answer: 14
Candidate Answer: 16

Question 59.

If $x + \frac{1}{x}=5$, then find the value of $\frac{6x}{x^2+x+1}$

यदि $x + \frac{1}{x}=5$, तो $\frac{6x}{x^2+x+1}$ का क्या होगा?
Question 60. Which one of the following combination of measurements can form the sides of a triangle?

नीचे दिए गए माप के समूह में से कौन-सा विकल्प किसी बिमुख की भुजाएं बन सकता है?

Options:
1) 9 cm, 6 cm, 2 cm
2) 11 cm, 3 cm, 12 cm
3) 3 cm, 5 cm, 8 cm
4) 5 cm, 7 cm, 13 cm

Correct Answer: 11 cm, 3 cm, 12 cm

Candidate Answer: 9 cm, 6 cm, 2 cm

Question 61. In a right angled triangle if hypotenuse is 20 cm and ratio of other two sides is 4:3, the length of the sides are

किसी समकोणीय बिमुख में यदि कर्ण 20 से.मी. हो और अन्य दो भुजाओं का अनुपात 4:3 है, तो भुजाओं की लंबाई कितनी है?

Options:
1) 4 cm and 3 cm
2) 8 cm and 6 cm
3) 12 cm and 9 cm
4) 16 cm and 12 cm

Correct Answer: 16 cm and 12 cm

Candidate Answer: 4 cm and 3 cm

Question 62. If \( \sin A + \sin^2 A = 1 \) then what is the value of \( \cos^2 A + \cos^4 A \)?

यदि \( \sin A + \sin^2 A = 1 \) हो तो \( \cos^2 A + \cos^4 A \) का मान क्या होगा?

Options:
1) \( \frac{1}{2} \)
2) 1
3) 2
4) 3

Correct Answer: 1

Candidate Answer: [ NOT ANSWERED ]

Question 63. The least number which when divides 37044, gives the result a perfect cube, is:

वह सबसे छोटी संख्या क्या है जिससे 37044 को भाग करने पर परिणामी संख्या पूर्ण घन प्राप्त हो?

Options:
1) 3
2) 2
3) 1
4) 0

Correct Answer: 1

Candidate Answer: [ NOT ANSWERED ]
Question 64. A man spends in 8 months as much as he earns in 6 months. He saves Rs. 6000 in a year. His average monthly income is

Options:
1) Rs. 2400
2) Rs. 2000
3) Rs. 2150
4) Rs. 1800
Correct Answer: Rs. 2000
Candidate Answer: [ NOT ANSWERED ]

Question 65.
If \( a = \sqrt{2} + 1 \) and \( b = \sqrt{2} - 1 \), then the value of \( \frac{1}{a+1} + \frac{1}{b+1} \) will be

यदि \( a=\sqrt{2} + 1 \) और \( b=\sqrt{2} - 1 \) तो \( \frac{1}{a+1} + \frac{1}{b+1} \) का क्या होगा?

Options:
1) 0
2) 1
3) 2
4) -1
Correct Answer: 1
Candidate Answer: [ NOT ANSWERED ]

Question 66.
If \( \frac{3}{(x+2)(2x+1)} = \frac{a}{2x+1} + \frac{b}{x+2} \) be an identity, then the value of \( b \) is

यदि \( \frac{3}{(x+2)(2x+1)} = \frac{a}{2x+1} + \frac{b}{x+2} \) हो, तो \( b \) का मान क्या है?

Options:
1) 0
2) -1
3) 2
4) 3
Correct Answer: -1
Candidate Answer: [ NOT ANSWERED ]
Question 67.

In triangle ABC, \( \angle BAC = 90^\circ \) and AD is perpendicular to BC.

If AD = 6 cm and BD = 4 cm, then the length of BC is

एक त्रिभुज ABC में, \( \angle BAC = 90^\circ \) और AD, BC का लम्ब है।

यदि AD = 6 cm और BD = 4 cm, तो BC का कितना कितना होगा?

**Options:**
1) 10 cm
2) 12 cm
3) 13 cm
4) 15 cm

**Correct Answer:** 13 cm

**Candidate Answer:** 10 cm

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Question 68.

D and E are the points on the sides AB and AC respectively of a \( \triangle ABC \) and AD = 8 cm, DB = 12 cm, AE = 6 cm and EC = 9 cm, then BC is equal to:

D और E एक \( \triangle ABC \) की भुजाओं AB और AC पर हैं और AD = 8 से.मी., DB = 12 से.मी., AE = 6 से.मी. और EC = 9 से.मी. हो तो BC का कितना बराबर है?

**Options:**
1) \( \frac{2}{5} \) DE
2) \( \frac{3}{2} \) DE
3) \( \frac{3}{2} \) DE
4) \( \frac{2}{3} \) DE

**Correct Answer:** \( \frac{3}{2} \) DE

**Candidate Answer:** [ NOT ANSWERED ]

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Question 69.

\[ \text{ABC is a right angled triangle with } \angle A = 90^\circ. \text{ Then the value of } \cos^2 A + \cos^2 B + \cos^2 C \text{ is} \]

\( \text{ABC एक समकोणीय त्रिभुज है, जिसमें } \angle A = 90^\circ \text{ है, } \)

\( \text{हो } (\cos^2 A + \cos^2 B + \cos^2 C) \text{ का मान क्या होगा?} \)

**Options:**
1) 2
2) 1
3) 0
4) 3

**Correct Answer:** 1

**Candidate Answer:** 0

---

Question 70.

In what time (in years) will Rs. 8000 amount to Rs. 9261 at 5% per annum, compounded annually?

Rs. 8000 की राशि 5% की वार्षिक दर से वार्षिक प्रमुख ब्याज दर से कितने समय (वर्षों) में Rs. 9261 हो जाएगी?

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Question 71. From the top of a 20 m high building, the angle of elevation of the top of a tower is 60° and the angle of depression of its foot is at 45°, then the height of the tower is $(\sqrt{3}=1.732)$

20 मी. ऊंची इमारत के शीर्ष से, किसी टॉवर के शीर्ष का उन्नयन कोण 60° है और भाद्दा का अवनति कोण 45° है, तो टॉवर की ऊंचाई कितनी है ? $(\sqrt{3}=1.732)$

Options:
1) 45.46 m
2) 45.64 m
3) 54.64 m
4) 54.46 m

Correct Answer: 54.64 m
Candidate Answer: [ NOT ANSWERED ]

Question 72. Study the chart and answer the questions. The pie chart given below shows the expenditure incurred in bringing out a book by a publisher.

इस चाट का अन्वयन कीए और प्रश्नों के उत्तर दीजिए। नीचे दीए इस चाट में एक प्रकाशक द्वारा एक पुस्तक के प्रकाशन में किए गए खर्च का दर्शाया गया है

What is the central angle showing the cost of paper
कागज की लागत को दर्शाने वाले केंद्रीय कोण का माप क्या है?

Options:
1) 16°
2) 32°
3) 38.9°
4) 57.6°

Correct Answer: 57.6°
Candidate Answer: [ NOT ANSWERED ]
Question 73. Study the chart and answer the questions. The pie chart given below shows the expenditure incurred in bringing out a book by a publisher.

If the cost of printing is Rs. 16,800, the royalty is

Options:
1) Rs. 2400
2) Rs. 3200
3) Rs. 4800
4) Rs. 8400
Correct Answer: Rs. 4800
Candidate Answer: [ NOT ANSWERED ]

Question 74. Study the chart and answer the questions. The pie chart given below shows the expenditure incurred in bringing out a book by a publisher.

Royalty on the book is less than canvassing expenditure by

Options:
1) 25%
2) 50%
3) 24%
4) 12%
Correct Answer: 50%
Candidate Answer: [ NOT ANSWERED ]
Question 75. Study the chart and answer the questions. The pie chart given below shows the expenditure incurred in bringing out a book by a publisher.

इस चाटका अद्ययन कीजिए और प्रश्नों के अन्तर दीजिए। नीचे दिए इस पाई चाट में एक प्रकाशक द्वारा एक पुस्तक के प्रकाशन में किए गए खर्च को दर्शाया गया है।

If miscellaneous expenditures amount to Rs. 12000, the expenditure on canvassing will be

यदि विविध खर्च रु. 12000 हो, तो प्रचार-खर्च कितना होगा?

Options:
1) Rs. 80000
2) Rs. 144000
3) Rs. 468000
4) Rs. 405000
Correct Answer: Rs. 144000
Candidate Answer: [ NOT ANSWERED ]

Question 76. In the following question, out of the four alternatives, choose the word which best expresses the meaning of the given word and click the button corresponding to it.

NEFARIOUS

Options:
1) EXCITED
2) WICKED
3) RIGOROUS
4) BENIGN
Correct Answer: WICKED
Candidate Answer: [ NOT ANSWERED ]

Question 77. In the following question, out of the four alternatives, choose the word which is opposite in meaning to the given word and click the button corresponding to it.

INSULAR

Options:
1) COSMOPOLITAN
2) ISOLATED
3) NARROW
4) PAROCHIAL
Correct Answer: COSMOPOLITAN
Candidate Answer: PAROCHIAL

Question 78. Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word and click the button corresponding to it.

Options:
1) Acommodate
2) Accommodate
3) Acomodate
4) Accomodate
Correct Answer: Accommodate
Candidate Answer: Accomodate

Question 79. In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option.

My friend's actual job (A) / involves a lot (B) / of administration. (C) / No Error (D)
Options:
1) A
2) B
3) C
4) D
Correct Answer: A
Candidate Answer: B

Question 80. In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option.

The students refused (A) to accept responsibility (B) for their acts (C) No Error (D)

Options:
1) A
2) B
3) C
4) D
Correct Answer: C
Candidate Answer: C

Question 81. In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option.

It is not possible for me (A) to give you the accurate date (B) of my departure yet. (C) No Error (D)

Options:
1) A
2) B
3) C
4) D
Correct Answer: B
Candidate Answer: B

Question 82. The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it.

I waited _____ the train arrived.

Options:
1) as
2) until
3) since
4) after
Correct Answer: until
Candidate Answer: until

Question 83. The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it.

He loves you _____ than me.

Options:
1) closer
2) nearer
3) higher
4) more
Correct Answer: more
Candidate Answer: more

Question 84. The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it.

The squadron leader ordered his men to _____ immediately.

Options:
1) fall in
2) fall out
3) fall off
4) fall on
Correct Answer: fall in
Candidate Answer: fall on

Question 85. In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.

Put up the shutters
Options:
1) Went out of business
2) Experienced a downside
3) Sold off assets
4) Changed ownership
Correct Answer: Went out of business
Candidate Answer: Went out of business

Question 86. In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.

A drop in a bucket
Options:
1) As much as possible
2) Nothing at all
3) A handsome amount
4) A very insignificant amount
Correct Answer: A very insignificant amount
Candidate Answer: As much as possible

Question 87. In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.

Draw a blank
Options:
1) Paint something
2) Find no favour
3) Oblige someone
4) Teach someone
Correct Answer: Find no favour
Candidate Answer: Teach someone

Question 88. Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it.

A person who is new to a profession
Options:
1) Expert
2) Coach
3) Tutor
4) Novice
Correct Answer: Novice
Candidate Answer: Novice

Question 89. Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it.

That which makes one highly knowledgeable
Options:
1) Erudition
2) Irreverence
3) Irritability
4) Impulsiveness
Correct Answer: Erudition
Candidate Answer: [ NOT ANSWERED ]

Question 90. Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it.

A state of emotional or intellectual separation
Options:
1) Euphoria
2) Ecstasy
3) Alienation
4) Communion
Correct Answer: Alienation
Candidate Answer: Euphoria

Question 91. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

Anyone wishing to enroll in the programme should send in there applications before the end of this month.
Question 92. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

Do you mind me leaving this payment until next year?

Options:
1) I
2) my
3) mine
4) No improvement

Correct Answer: my
Candidate Answer: [ NOT ANSWERED ]

Question 93. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

As you grow older, you will find that these all difficulties may be overcome by patience.

Options:
1) these all difficulties may overcome with patience
2) all these difficulties may overcome through patience
3) all these difficulties may be overcome with patience
4) No improvement

Correct Answer: all these difficulties may be overcome with patience
Candidate Answer: these all difficulties may overcome with patience

Question 94. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

Sita didn't so far as blink when she heard she had won the scholarship to Cambridge.

Options:
1) so much as
2) as far as
3) as good as
4) No improvement

Correct Answer: so much as
Candidate Answer: as far as

Question 95. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

When the architect won a prize in a play-writing competition his friends admired his universality.

Options:
1) durability
2) versatility
3) respectability
4) No improvement

Correct Answer: versatility
Candidate Answer: versatility

Question 96. A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives and click the button corresponding to it.

Awareness means the capacity to see a coffee pot and hear the birds sing in one's own way, and not the way one was taught. It may be assumed on good grounds that seeing and hearing have a different quality for infants than for grownups and that they are more aesthetic and less intellectual in the first years of life. A little boy sees and hears birds with delight. Then the 'good father' comes along and feels he should 'share' the experience and help his son 'develop'. He says, "That's a jay and this is a sparrow." The moment the little boy is concerned with which is a jay and which is a sparrow, he can no longer see the birds or hear them sing. He has to see and hear them the way his father wants him to. Father has good reasons on his side: since few people can afford to go through life listening to the birds sing, sooner the little boy starts his 'education' the better. Maybe he will be an ornithologist when he grows up.

What does the writer mean by 'awareness'?

Options:
1) The capacity to see as one is taught.
2) The capacity to see and hear things in one's own way.
3) The ability to see and feel things as they are in the present.
4) The ability to see and hear things as other people do.

Correct Answer: The capacity to see and hear things in one's own way.
How do children perceive things around them?

Options:
1) Aesthetically
2) Intellectually
3) Emotionally
4) Morally

Correct Answer: Aesthetically

What would the 'good father' do?

Options:
1) He would teach his son the way of the world.
2) He would share and feel his son's experience.
3) He would share his experiences and help his son 'develop'.
4) He would tell his son to live his way.

Correct Answer: He would share his experiences and help his son 'develop'.

What does an Ornithologist study?

Options:
1) Birds
2) Insects
3) The different species of plants
4) Fish

Correct Answer: Birds

The passage implies that when the boy starts his 'education' he will _____.

Options:
1) have a more aesthetic outlook
2) be able to identify a jay and a sparrow
3) see and hear the bird's song with delight
4) have a more intellectual outlook
Correct Answer: have a more intellectual outlook
Candidate Answer: have a more intellectual outlook

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