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

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

Medicine : Patient :: Education : ?

Options:
1) Teacher
2) School
3) Student
4) Tuition

Correct Answer: Student
Candidate Answer: Student

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

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

LAMP : IXJM :: FISH : ?

Options:
1) CGPF
2) CFQE
3) CFPE
4) CGQF

Correct Answer: CFPE
Candidate Answer: CFPE

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

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

13 : 20 :: 17 : ?

Options:
1) 25
2) 26
3) 27
4) 28

Correct Answer: 28
Candidate Answer: 28
Question 4.

For the following questions

Find the odd word / letter / number from the given alternative

दिए गए विकल्पों में से विषम शब्द/अक्षर/संख्या को चुनिए

Options:
1) Rival
प्रतिद्वंद्वी
2) Opponent
विरोधी
3) Foe
शत्रु
4) Ally
मित्र

Correct Answer: Ally
मित्र

Candidate Answer: Ally
मित्र

Question 5.

For the following questions

Find the odd word / letter / number from the given alternative

दिए गए विकल्पों में से विषम शब्द/अक्षर/संख्या को चुनिए

Options:
1) POCG
2) KLIZ
3) BUDX
4) FQMV

Correct Answer: FQMV
For the following questions

Find the odd word / letter / number from the given alternative

दिए गए विकल्पों में से विषम शब्द/अक्षर/संख्या को चुनिए

Options:
1) 36 - 48
2) 56 - 44
3) 78 - 66
4) 33 - 64
Correct Answer: 33 - 64
Candidate Answer: 33 - 64

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

निम्नलिखित शब्दों को शब्दकोश में दिए गए क्रम के अनुसार लिखिए

1. Ambitions
2. Ambiguous
3. Ambiguity
4. Animation
5. Animal
Options:
1) 3, 2, 4, 1, 5
2) 3, 2, 5, 4, 1
3) 3, 2, 1, 5, 4
4) 3, 2, 4, 5, 1
Correct Answer: 3, 2, 1, 5, 4
Candidate Answer: 3, 2, 1, 5, 4
Question 8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

निम्नलिखित प्रश्न में एक अनुक्रम दिया गया है, जिसमें एक पद लुप्त है। दिए गए विकल्पों में से वह सही विकल्प चुनिए जो अनुक्रम को पूरा करे.

CAT, DBT, ECT, ?

Options:
1) DCT
2) FDT
3) FCT
4) FAT

Correct Answer: FDT
Candidate Answer: FDT

Question 9. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

निम्नलिखित प्रश्न में एक अनुक्रम दिया गया है, जिसमें एक पद लुप्त है। दिए गए विकल्पों में से वह सही विकल्प चुनिए जो अनुक्रम को पूरा करे.

5, 11, 24, 51, 106, ____?

Options:
1) 122
2) 217
3) 120
4) 153

Correct Answer: 217
Candidate Answer: 217
Question 10. Showing a man on the stage, Rita said, "He is the brother of the daughter of the wife of my husband. How is the man on stage related to Rita?

मंच पर एक पुरुष को दिखाते हुए रीता ने कहा, " वह मेरे पति की पत्नी की पुत्री का भाई है। " मंच पर उपस्थित उस पुरुष का रीता से क्या संबंध है?

Options:
1) SON
पुत्र
2) HUSBAND
पति
3) COUSIN
चचेरा/फुफेरा/ममेरा/मौसेरा
4) NEPHEW
भतीजा

Correct Answer: SON
पुत्र
Candidate Answer: SON
पुत्र

Question 11. The age of Dr. Pandey is four times the age of his son. After 10 years, the age of Dr. Pandey will be twice the age of his son. The present age of Dr. Pandey's son is

डॉ. पाण्डेय की आयु उनके पुत्र की आयु की चार गुनी है। 10 वर्ष पश्चात डॉ. पाण्डेय की आयु उनके पुत्र की आयु से दुगनी हो जाएगी। डॉ. पाण्डेय के पुत्र की वर्तमान आयु बताइए?

Options:
1) 4 years
4 वर्ष
2) 5 years
5 वर्ष
3) 6 years
6 वर्ष
4) 8 years
8 वर्ष

Correct Answer: 5 years
5 वर्ष
Candidate Answer: 5 years
5 वर्ष
Question 12. From the given alternative words, select the word which cannot be formed using the letters of the given word:

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

INTELLIGENCE

Options:
1) CANCEL
2) NEGLECT
3) GENTLE
4) INCITE

Correct Answer: CANCEL
Candidate Answer: CANCEL

Question 13. If C is coded 3, DASH is coded as 32, then DANCE will be coded as:

यदि C को किसी कोड में 3 लिखा जाए, DASH को 32 लिखा जाए, तो DANCE को उसी कोड में क्या लिखा जाएगा?

Options:
1) 20
2) 25
3) 26
4) 27
Correct Answer: 27
Candidate Answer: 27

Question 14. If ' + ' means minus, ' - ' means multiplication, ' ÷ ' means plus, and ' x ' means division, then:

यदि + का अर्थ घटा है, - का अर्थ गुणा है, ÷ का अर्थ जमा है, और x का अर्थ भाग है, तो निम्नलिखित प्रश्न को हल कीजिए?

15 - 3 + 10 x 5 ÷ 5
Question 15. A certain system is followed to solve the problem. Accordingly find out the correct answer from the alternatives for the unsolved equations.

निम्नलिखित प्रश्न में कुछ समीकरणों का हल निकालने के लिए एक विशिष्ट प्रणाली का प्रयोग किया गया है। जिस समीकरण का हल नहीं निकाला गया है, उसी विशिष्ट प्रणाली से उस समीकरण का उत्तर ज्ञात कीजिए।

7 x 4 x 9 = 479
9 x 5 x 2 = 592
6 x 9 x 5 = 965
8 x 6 x 2 = ?

Options:
1) 286
2) 682
3) 628
4) 268
Correct Answer: 682
Candidate Answer: 682
Question 16. Find the missing number from the given alternatives

दिए गए विकल्पों में से लुप्त संख्या ज्ञात करें

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<td>40</td>
<td>8</td>
</tr>
<tr>
<td>15</td>
<td>?</td>
<td>9</td>
</tr>
</tbody>
</table>

Options:
1) 75
2) 45
3) 20
4) 30
Correct Answer: 30
Candidate Answer: 45

Question 17. Sanmitra walked 8 m towards the north. He turned to his right and walked 16 m, then he turned to his left and walked 5 m and again he turned to his left and walked 16 m. In which direction is he from his starting point?

संमित्रा उत्तर की ओर 8 मीटर चला और दायें घूमकर 16 मीटर चला। फिर अपने बायें घूमकर 5 मीटर चला। वह फिर बायें ओर गुजरा और 16 मीटर चला। अब वह अपने प्रारंभिक स्थान से किस दिशा में है?

Options:
1) South दक्षिण
2) East पूर्व
3) North उत्तर
4) West पश्चिम
Correct Answer: North उत्तर
Candidate Answer: North उत्तर
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.

Statements:
1. Some teachers are followers.
2. Some followers are famous.

Conclusions:
I. Some teachers are famous.
II. Some followers are teachers.

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

Correct Answer: Only conclusion II follows

Candidate Answer: Only conclusion II follows

Question 19. How many triangles are there in the question figure?

प्रश्न आकृति में कितने त्रिभुज हैं?

![Diagram of triangles]
Question 20. Identify the diagram that best represents the relationship among classes given below.

वह आरेख चुनिए जो नीचे दिए गए वर्गों के बीच सही सम्बन्ध को दर्शाता है?

Delhi, Sri Lanka, Asia

Options:
1) 18
2) 24
3) 28
4) 30

Correct Answer: 28
Candidate Answer: 28
Options:

1)

2)

3)

4)

Correct Answer:

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

कौन-सी उत्तर आकृति प्रश्न आकृति के प्रतिरुप को पूरा करेगी?

Options:
1) [Diagram]
2) [Diagram]
3) [Diagram]
4) [Diagram]
Question 22. From the given figure, select the one in the question the figure is hidden / embedded

दी गई उत्तर आकृतियों में से उस उत्तर आकृति को चुनिए जिसमें प्रश्न आकृति निहित है ?
Options:
1)

2)

3)

4)

Correct Answer:

Candidate Answer:
Question 23. A piece of paper is folded and cut as shown below in the given answer figures, indicate how it will paper when opened.

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

**Options:**
1) 

2) 

3) 

4) 

**Correct Answer:**
Question 24. If a mirror is place on the line MN, then which of the answer figures is the right image of the figure?

यदि एक दर्पण को MN रेखा पर रखा जाए तो दी गई उत्तर आकृतियों में से कौन-सी आकृति प्रश्न आकृति का सही प्रतिबिंब होगी?
Options:
1)

2)

3)

4)

Correct Answer:

Candidate 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 these matrix can be represented first by row and next by its column, e.g., 'A' can be represented by 01, 13, etc., and 'B' can be represented by 58, 69, etc. Similarly, you have to identify the set for the word 'FINE'.

Options:
1) 00, 04, 02, 56
2) 12, 10, 13, 67
3) 24, 19, 31, 78
4) 31, 32, 33, 87
Correct Answer: 00, 04, 02, 56
Candidate Answer: 00, 04, 02, 56

Question 26. Who propounded the "Doctrine of Passive Resistance"?

"शान्तिपूर्ण प्रतिरोध" (सत्याग्रह) का सिद्धान्त किसने प्रतिपादित किया था?
Question 27. At Rio Olympics, what was the final position of Dipa Karmakar in her category?

दीपा कर्मकर का रियो ओलम्पिक खेलों में अपने वर्ग में कौन सा स्थान था?

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

Question 28. The 14th Finance Commission has recommended increase in States share in net proceeds from tax collection from 32% to

14 वें वित्त आयोग ने कर वसूली से होने वाली निवल आय में राज्यों का हिस्सा 32% से बढ़ाकर कितने प्रतिशत करने की सिफारिश की है?

Options:
1) 35%
2) 40%
3) 42%
4) 45%
Question 29. Fiscal policy in India is formulated by

Correct Answer: Finance Ministry
Candidate Answer: Finance Ministry

Question 30. Which of the following has pH value 7?

Correct Answer: Pure Water
Candidate Answer: Pure Water

Question 31. When ice cubes are made, the entropy of water

Correct Answer: ____
Options:
1) does not change
परिवर्तित नहीं होती
2) decreases
घट जाती हो
3) increases
बढ़ जाती है
4) may either increase or decrease depending on the process used
क्या प्रक्रिया अपनाई गई, यह देखते हुए घट या बढ़ सकती है

Correct Answer: decreases
घट जाती हो

Candidate Answer: decreases
घट जाती हो

Question 32. Two vectors are said to be equal if

दो सदिश (वेक्टर) बराबर होते हैं यदि

Options:
1) only their magnitudes are same
केवल उनके आकार एक समान है
2) only their directions are same
केवल उनकी दिशाएँ एक हो
3) both magnitude and direction are same
उनके आकार और दिशा दोनों एक हो
4) magnitudes are same but directions are opposite
आकार एक हो किन्तु दिशाएँ विपरीत हों

Correct Answer: both magnitude and direction are same
उनके आकार और दिशा दोनों एक हो

Candidate Answer: both magnitude and direction are same
उनके आकार और दिशा दोनों एक हो

Question 33. The chemical component that is invariably found in all viruses is

कौन सा रासायनिक यौगिक अनिवार्यत: सभी विषाणुओं में पाया जाता है?
Options:
1) proteins
2) lipids
3) DNA
4) RNA

Correct Answer: proteins
Candidate Answer: DNA

Question 34. Which is used as an Air pollution indicator?

वायु प्रदूषण सूचक के रूप में निम्नलिखित में से कौन काम आता है?

Options:
1) Algae
2) Fungi
3) Bacteria
4) Lichens

Correct Answer: Lichens
Candidate Answer: Lichens
Question 35. The study of mountains is known as

पर्वतों के अध्ययन को क्या कहते हैं?

**Options:**
1) Oncology
   ऑंकोलॉजी
2) Lithology
   अश्ममुद्रण (लिथोलॉजी)
3) Orlogy
   ओरोलॉजी
4) Ornithology
   ओरनिथोलॉजी

(पक्षपाती)

**Correct Answer:** Orlogy
   ओरोलॉजी

**Candidate Answer:** Orlogy
   ओरोलॉजी

Question 36. Salination of soil is caused by

मृदा के लवणीकरण किस कारण होता है?

**Options:**
1) Pesticides
   पीड़कनाशी
2) soil erosion
   भूमि कटाव
3) excess irrigation
   अधिक सिंचाई
4) crop rotation
   फसल आवर्तन

**Correct Answer:** excess irrigation
   अधिक सिंचाई

**Candidate Answer:** Pesticides
   पीड़कनाशी

Question 37. ICC World T20 in 2016 was won by

वर्ष 2016 में आई सी सी वर्ल्ड कप टी20 खिताब किसने जीता?
Options:
1) India
भारत
2) England
इंग्लैंड
3) New Zealand
न्यूज़ीलैंड
4) West Indies
वेस्ट इंडीज़

Correct Answer: West Indies
वेस्ट इंडीज़

Candidate Answer: West Indies
वेस्ट इंडीज़

Question 38. Which one of the following was established with a definite provision under an Article of the Constitution of India?

निम्नलिखित में से किसकी स्थापना भारतीय संविधान के अनुच्छेद के अधीन निश्चित उपबंध के अनुसार की गई थी?

Options:
1) Union Public Service Commission
संघ लोक सेवा आयोग
2) National Human Rights Commission
राष्ट्रीय मानव अधिकार आयोग
3) Election Commission
चुनाव आयोग
4) Central Vigilance Commission
केंद्रीय सतर्कता आयोग

Correct Answer: Election Commission
चुनाव आयोग

Candidate Answer: Election Commission
चुनाव आयोग

Question 39. The President can advance money to meet unforeseen expenses from the

राष्ट्रपति निम्नलिखित में से किस कोष से किसी अप्रत्याशित खर्च के लिए धन दे सकते हैं?
Question 40. The famous Vishnu temple at Angkor Wat in Cambodia was built by

_options:
1) Shrutavarman
2) Suryavarman II
3) Indravarman
4) Aniruddha

_Correct Answer_: Suryavarman II

Question 41. In IT, the technique of delaying outgoing acknowledgements temporarily is known as

_options:
1) Consolidated Fund of India
2) Grants of the Central Government
3) Aid from the Union Government
4) Contingency Fund

_Correct Answer_: Contingency Fund

_Candidate Answer_: Contingency Fund
Options:
1) AR Acknowledgement
ए आर एचनॉलॉजीमेंट
2) AR request
ए आर रिक्वेस्ट
3) Piggybacking
पिगीबैकिंग
4) Piggyframing
पिगीफ्रेमिंग

Correct Answer: Piggybacking
पिगीबैकिंग

Candidate Answer: [ NOT ANSWERED ]

Question 42. If speed of rotation of the earth increases, the weight of the body
यदि पृथ्वी के घूर्णन की गति बढ़ जाती है, तो शरीर का वजन

Options:
1) decreases
घट जाएगा
2) increases
बढ़ जाएगा
3) remains the same
वही रहेगा
4) may increase or decrease
घट या बढ़ सकता है

Correct Answer: decreases
घट जाएगा

Candidate Answer: decreases
घट जाएगा

Question 43. Which among the following countries is facing debt crisis?
निम्नलिखित में से कौनसे देश में ऋण-संकट है?

Options:
1) decreases
घट जाएगा
2) increases
बढ़ जाएगा
3) remains the same
वही रहेगा
4) may increase or decrease
घट या बढ़ सकता है
Question 44. The new symbol of Indian currency is designed by

Question 45. What is MUDRA?
Options:
1) Development and Refinance Agency
विकास और पुनर्वित्त एजेंसी
2) Scheme for Agricultural Insurance
कृषि बीमा योजना
3) New Planet Discovered
खोजा गया नया ग्रह
4) Development and Regulatory Authority for Urban Township
शहरी नगरीकरण के लिए विकास और नियामक प्राधिकरण
correct answer: Development and Refinance Agency
विकास और पुनर्वित्त एजेंसी
candidate answer: Scheme for Agricultural Insurance
कृषि बीमा योजना

Question 46. Which of the following is not correctly matched?
निम्नलिखित में से किसका मेल सही नहीं है?

Options:
1) Sania Mirza - Tennis
सानिया मिर्जा - टेनिस
2) Sania Nehwal - Badminton
साईना नेहवाल - बैडमिटन
3) Mary Kom - Boxing
मेरी कॉम - बॉक्सिंग
4) Pankaj Advani - Wrestling
पंकज आडवाणी - कुश्ती
correct answer: Pankaj Advani - Wrestling
पंकज आडवाणी - कुश्ती
candidate answer: Pankaj Advani - Wrestling
पंकज आडवाणी - कुश्ती

Question 47. Which of the following State is surrounded by Bangladesh from three sides?
निम्नलिखित में से किस राज्य के तीन तरफ बांग्लादेश की सीमा है?

Options:
1) Banaras
2) Bhopal
3) Lucknow
4) Agra
Correct Answer: Lucknow
Candidate Answer: Lucknow
Correct Answer: Tripura
Candidate Answer: Assam

Question 48. Which enzyme digests proteins in the stomach?

आमाशय में ......एन्जाइम प्रोटीन को पचाने में मदद करता है?

Options:
1) Trypsin
2) Pepsin
3) Salivary amylase
4) Pancreatic canal

Correct Answer: Pepsin
Candidate Answer: Trypsin

Question 49. Fermentation is a type of __________ process.

किप्वन एक प्रकार की _____ है।
Options:
1) Aerobic Respiration
वायु श्वसन
2) Anaerobic Respiration
अवायविय श्वसन
3) Exothermic Reaction
ऊष्मा उन्मोची अभिक्रिया
4) Transpiration
वाष्पोत्सर्जन

Correct Answer: Anaerobic Respiration
अवायविय श्वसन

Candidate Answer: Exothermic Reaction
ऊष्मा उन्मोची अभिक्रिया

Question 50. The first Muslim to be elected President of 'Indian National Congress' was?

Correct Answer: Maulana Azad
मौलाना आज़ाद

Candidate Answer: Badruddin Tyabji
बदरुद्दीन तयबजी

Correct Answer: Badruddin Tyabji
बदरुद्दीन तयबजी

Question 51. A, B and C contract a work for ₹ 440. Together A and B are to do 9/11 of the work. The share of C should be:

A, B और C किसी काम को ₹ 440 में करने का ठेका लेते हैं। A और B को मिलकर 9/11 भाग काम करना है। C का शेयर क्या होना चाहिए?
Options:
1) 75
2) 90
3) 100
4) 80
Correct Answer: 80
Candidate Answer: 80

Question 52. A dealer marks a washing machine for ₹ 7500, and allows a discount of 6% on it. Find the selling price
एक विक्रेता वाशिंग मशीन पर अंकित मूल्य ₹ 7500 लिखता है और उस पर 6% की छूट देता है। उसका बिक्री मूल्य ज्ञात कीजिए?
Options:
1) 6850
2) 7050
3) 7250
4) 6950
Correct Answer: 7050
Candidate Answer: 7050

Question 53. The sum of the cubes of two numbers in the ratio 3 : 4 is 5824. The sum of the numbers is:
3 : 4 के अनुपात में दो संख्याओं के घनों का योग 5824 है। संख्याओं का योग कितना है?
Options:
1) \(\left[\frac{5824}{3}\right]^{1/3}\)
2) 28
3) 24
4) 14
Correct Answer: 28
Candidate Answer: 28
Question 54. Loss of 20% on selling price is equal to x% loss in cost price. What is x?

बिक्री मूल्य पर 20% की हानि, लागत मूल्य में x% की हानि के बराबर है। x कितना है?

Options:
1) 20%
2) 20
3) 16\frac{2}{3}%
4) 16

Correct Answer: 16\frac{2}{3}%

Candidate Answer: 16\frac{2}{3}%

Question 55. In a motor of 120 machine parts, 5% parts were defective. In another motor of 80 machine parts, 10% parts were defective. For the two motors considered together, the percentage of defective machine parts were

120 मशीनी पुज की मोटर में 5% पुजें खराब थे। 80 मशीनी पुज की दूसरी मोटर में 10% पुजें खराब थे। दोनों मोटरों को मिलाकर खराब मशीनी पुजों का प्रतिशत कितना था?

Options:
1) 7
2) 6.5
3) 7.5
4) 8

Correct Answer: 7

Candidate Answer: 7

Question 56. If \((2^3)^2 = 4^x\) then \(3^x\) is equal to

यदि \((2^3)^2 = 4^x\) हो, तो \(3^x\) किसके बराबर है?
Question 57. A train, 200 m long, is running at a speed of 54 km/hr. The time in seconds that will be taken by train to cross a 175 m long bridge is

Correct Answer: 25
Candidate Answer: 25

Question 58. Which of the following ratios can be the ratio of the sides of a right angled triangle?

Correct Answer: 13:12:5
Candidate Answer: 13:12:5
Question 59. Number of circles that can be drawn through three non-colinear points is
tीन संरेख बिंदुओं से कितने वृत्त बनाए जा सकते हैं?

Options:
1) exactly one
केवल एक
d) two
दो
t) three
तीन
d) more than three
तीन से अधिक

Correct Answer: exactly one
केवल एक

Candidate Answer: exactly one
केवल एक

Question 60. Value of \((\cos 53^\circ - \sin 37^\circ)\) is

\((\cos 53^\circ - \sin 37^\circ)\) का मान क्या है?

Options:
1) 0
2) 1
3) 2 \sin 37^\circ
4) 2 \cos 53^\circ

Correct Answer: 0

Candidate Answer: 0

Question 61.

If \(4x + \frac{1}{x} = 5, x \neq 0\), then the value of \(\frac{5x}{4x^2 + 10x + 1}\) is

यदि \(4x + \frac{1}{x} = 5\ है, तो \(\frac{5x}{4x^2 + 10x + 1}\) का मान बताओ?
Options:
1) $1/2$
2) $1/3$
3) $2/3$
4) $3$
Correct Answer: $1/3$
Candidate Answer: $1/3$

Question 62.
If $c + \frac{1}{c} = \sqrt{3}$, then the value of $c^2 + \frac{1}{c^3}$ is equal to

यदि $c + \frac{1}{c} = \sqrt{3}$ है, तो $c^2 + \frac{1}{c^3}$ का मान किसके बराबर है?

Options:
1) $0$
2) $3\sqrt{3}$
3) $1/\sqrt{3}$
4) $6\sqrt{3}$
Correct Answer: $0$
Candidate Answer: $0$

Question 63. What least value must be assigned to ‘*’ so that the numbers 451 * 603 is exactly divisible by 9?

‘*’ का न्यूनतम कितना मूल्य रखा जाए कि 451*603 संख्या 9 से पूरी तरह विभाजित हो जाए?

Options:
1) $7$
2) $8$
3) $5$
4) $9$
Correct Answer: $8$
Candidate Answer: $8$
Question 64. The average of 9 observations was found to be 35. Later on, it was detected that an observation 81 was misread as 18. The correct average of the observations is

Options:
1) 28
2) 42
3) 32
4) 45
Correct Answer: 42
Candidate Answer: 42

Question 65. If \( x = 222, y = 223, z = 225 \) then the value of \( x^3 + y^3 + z^3 - 3xyz \) is

Options:
1) 4590
2) 4690
3) 4950
4) 4960
Correct Answer: 4690
Candidate Answer: 4690

Question 66. If \( x = 3^{1/3} - 3^{-1/3} \) then \( 3x^3 + 9x \) is equal to
Options:
1) 5
2) 6
3) 7
4) 8
Correct Answer: 8
Candidate Answer: 8

Question 67. Two circles touch each other internally. The radius of the smaller circle is 6 cm and the distance between the centre of two circles is 3 cm. The radius of the larger circle is

Options:
1) 7.5 cm
2) 9 cm
3) 8 cm
4) 10 cm
Correct Answer: 9 cm
Candidate Answer: 9 cm

Question 68. PQR is an equilateral triangle. MN is drawn parallel to QR such that M is on PQ and N is on PR. If PN = 6 cm, then the length of MN is

Options:
1) 7.5 cm
2) 9 cm
3) 8 cm
4) 10 cm
Correct Answer: 9 cm
Candidate Answer: 9 cm
Options:
1) 3 cm
2) 6 cm
3) 12 cm
4) 4.5 cm
Correct Answer: 6 cm
Candidate Answer: 6 cm

Question 69. If \( \csc \theta + \sin \theta = \frac{5}{2} \) then the value of \( \csc \theta - \sin \theta \) is

यदि \( \csc \theta + \sin \theta = \frac{5}{2} \) है, तब \( \csc \theta - \sin \theta \) का मान ज्ञात कीजिए?

Options:
1) \(-\frac{3}{2}\)
2) \(\frac{3}{2}\)
3) \(-\sqrt{3}/2\)
4) \(\sqrt{3}/2\)
Correct Answer: \(\frac{3}{2}\)
Candidate Answer: \(\frac{3}{2}\)

Question 70. Two men are on opposite sides of a tower. They measure the angles of elevation of the top of the tower as 30° and 45° respectively. If the height of the tower is 50 m, the distance between the two men is (Take \( \sqrt{3} = 1.73 \))

दो व्यक्ति एक टॉवर की विपरीत दिशाओं में खड़े हैं। वे टॉवर के शीर्ष का उन्नत कोण क्रमशः 30° और 45° मापते हैं। यदि टॉवर की ऊंचाई 50 मीटर है तो दोनों व्यक्तियों के बीच की दूरी कितनी है? (माना \( \sqrt{3} = 1.73 \))
Options:
1) 136.5 m
2) 50 \sqrt{3} m
3) 100 \sqrt{3} m
4) 135.5 m

Correct Answer: 136.5 m

Candidate Answer: 136.5 m

Question 71. The radius and the height of a cone are each increased by 20%. Then the volume of the cone increases by

Options:
1) 20%
2) 20.5%
3) 62%
4) 72.8%

Correct Answer: 72.8%
Candidate Answer: 72.8%
Question 72. A bar graph showing the heights of six mountain peaks. Study the bar graph and answer questions

The average height of all the peaks (in meters) is

Options:
1) 7601.5
2) 7600
3) 7599.5
4) 7610
Correct Answer: 7600
Candidate Answer: 7600
Question 73. A bar graph showing the heights of six mountain peaks. Study the bar graph and answer questions.

बार ग्राफ का अध्ययन कीजिए और नम्नलिखित प्रश्नों के उत्तर दीजिए। ग्राफ में 6 पर्वत शिखरों की ऊंचाई दर्शायी गयी है।

Which peak is the second highest?

दूसरा सबसे ऊंचा शिखर कौनसा है?

Options:
1) B
2) C
3) A
4) E

Correct Answer: C
Candidate Answer: C
Write the ratio of the heights of the highest peak and the lowest peak

उच्चतम शिखर और न्यूनतम शिखर की ऊंचाई का अनुपात बताइए?

Options:
1) 22:15
2) 15:22
3) 20:13
4) 13:22
Correct Answer: 22:15
Candidate Answer: 22:15
Question 75. A bar graph showing the heights of six mountain peaks. Study the bar graph and answer questions

When the heights of the given peaks are written in ascending order, what is the average of the middle two peaks?

Options:
1) 7950 m
2) 7560 m
3) 7650 m
4) 7850 m

Correct Answer: 7850 m

Candidate Answer: 7850 m

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.

CREDULOUS
Options:
1) FUNNY
2) SILLY
3) INNOCENT
4) GULLIBLE
Correct Answer: GULLIBLE
Candidate Answer: GULLIBLE

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.

REASSURE
Options:
1) COMFORT
2) CONSOLE
3) INSPIRE
4) DISCOURAGE
Correct Answer: DISCOURAGE
Candidate Answer: DISCOURAGE

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) Defianse
2) Defyance
3) Difiance
4) Defiance
Correct Answer: Defiance
Candidate Answer: Defiance

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.

Too great a (A)/ variety of studies (B)/ distract the mind (C)/ No Error (D)
Options:
1) A
2) B
3) C
4) D
Correct Answer: C
Candidate Answer: C
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 severe cyclonic storm (A)/ has left behind (B)/ a trial of misery (C)/ No Error (D)

Options:
1) A
2) B
3) C
4) D

Correct Answer: C
Candidate Answer: B

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.

My sister has been (A)/ interested in medicine (B)/ ever since she was a child (C)/ No Error (D)
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.

It is _________ university of excellence.

Options:
1) a
2) an
3) also
4) one

Correct Answer: a
Candidate Answer: a
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.

They have not had much time for social activities and I have not ________ .

Options:
1) done so
2) either
3) also
4) gone

Correct Answer: either
Candidate Answer: either

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.

Food was packed, and they__________, a merry, delighted party.

Options:
1) went off
2) start off
3) cut off
4) set off
Correct Answer: set off
Candidate Answer: set off

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.

pull a fast one

Options:
1) as fast as lightning
2) play a trick
3) carry a heavy burden
4) take a deep breath

Correct Answer: play a trick
Candidate Answer: play a trick

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.

grease the palm

Options:
1) dirty one's hands
2) work in a garage
3) slip and fall
4) bribe
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.

turn turtle

Options:
1) slow like a turtle
2) turn like a turtle
3) over-turn
4) a game turtles play

Correct Answer: over-turn
Candidate Answer: over-turn

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.

Action that is likely to make people very angry

Options:
1) Inflationary
2) Inflammable
3) Commensurable
4) Inflammatory

Correct Answer: Inflammatory
Candidate Answer: Inflammatory

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.

A humorous drawing dealing with current events or politics.

Options:
1) Sketch
2) Illustration
3) Cartoon
4) Skit

Correct Answer: Cartoon
Candidate Answer: Cartoon

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.

Act of mercy killing

Options:
1) Suicide
2) Euthanasia
3) Immolation
4) Asphyxiation

Correct Answer: Euthanasia
Candidate Answer: Euthanasia
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".

They have had a real good time.

**Options:**
1) have had a
2) have had really
3) have had a really
4) No improvement

**Correct Answer:** have had a really

**Candidate Answer:** have had really

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".

Electricity has **modernized** the march of modern events.
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".

The sales boy told the consumer not to touch the products on display.

Options:
1) buyer
2) shopper
3) customer
4) No improvement

Correct Answer: customer
Candidate Answer: customer
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".

Please make it a point to send the letter at my address.

**Options:**
1) on
2) to
3) in
4) No improvement

**Correct Answer:** to
**Candidate Answer:** to

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".

Sunil and I helped to sell tickets.

**Options:**
1) we
2) us
3) me
4) No improvement
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.

To know language is to be able to speak it; even a child who does not yet attend school can speak his or her language. In order to speak a language it is important to listen to it and to read a few pages in it everyday. A child picks up language and learns to talk just as (s)he learns to walk. Walking and talking comes naturally to a child as it grows. In our country, a child may grow up speaking more than one language, if these languages are spoken in the home and in the neighbourhood. we call this multilingualism. A child speaks a language or languages much before (s)he starts going to school. To know a language then is first of all to be able to speak it as easily and naturally as a tree year old child does. Later on the child will learn to read and write in that language. In order to read and write in a language, one has to speak it. But it is possible to speak a language but not able to read or write in it. A baby does not speak until it is nine months old but it understands a few words at six months of age. It has been listening ever since it was born, and even a little before that. So the first strategy in speaking a language is to listen.
One of the activities of a child before it is even born is ________.

Options:
1) seeing
2) listening
3) understanding
4) talking

Correct Answer: listening
Candidate Answer: listening
To know language is to be able to speak it; even a child who does not yet attend school can speak his or her language. In order to speak a language it is important to listen to it and to read a few pages in it everyday. A child picks up language and learns to talk just as (s)he learns to walk. Walking and talking comes naturally to a child as it grows. In our country, a child may grow up speaking more than one language, if these languages are spoken in the home and in the neighbourhood. we call this multilingualism. A child speaks a language or languages much before (s)he starts going to school. To know a language then is first of all to be able to speak it as easily and naturally as a tree year old child does. Later on the child will learn to read and write in that language. In order to read and write in a language, one has to speak it. But it is possible to speak a language but not able to read or write in it. A baby does not speak until it is nine months old but it understands a few words at six months of age. It has been listening ever since it was born, and even a little before that. So the first strategy in speaking a language is to listen.

It is necessary for one to __________ the language before (s)he writes in that language.
Options:
1) sing
2) spell
3) speak
4) none of the above

Correct Answer: speak

Candidate Answer: speak
To know language is to be able to speak it; even a child who does not yet attend school can speak his or her language. In order to speak a language it is important to listen to it and to read a few pages in it everyday. A child picks up language and learns to talk just as (s)he learns to walk. Walking and talking comes naturally to a child as it grows. In our country, a child may grow up speaking more than one language, if these languages are spoken in the home and in the neighbourhood. we call this multilingualism. A child speaks a language or languages much before (s)he starts going to school. To know a language then is first of all to be able to speak it as easily and naturally as a tree year old child does. Later on the child will learn to read and write in that language. In order to read and write in a language, one has to speak it. But it is possible to speak a language but not able to read or write in it. A baby does not speak until it is nine months old but it understands a few words at six months of age. It has been listening ever since it was born, and even a little before that. So the first strategy in speaking a language is to listen.

**Multi-lingualism** means
Options:
1) speaking more than one language
2) speaking only one language
3) speaking any language
4) speech
Correct Answer: speaking more than one language
Candidate Answer: speaking more than one language
A child has been _________ ever since it was born.
Options:
1) speaking
2) reading
3) walking
4) listening

Correct Answer: listening
Candidate Answer: listening
To know language is to be able to speak it; even a child who does not yet attend school can speak his or her language. In order to speak a language it is important to listen to it and to read a few pages in it everyday. A child picks up language and learns to talk just as (s)he learns to walk. Walking and talking comes naturally to a child as it grows. In our country, a child may grow up speaking more than one language, if these languages are spoken in the home and in the neighbourhood. we call this multilingualism. A child speaks a language or languages much before (s)he starts going to school. To know a language then is first of all to be able to speak it as easily and naturally as a tree year old child does. Later on the child will learn to read and write in that language. In order to read and write in a language, one has to speak it. But it is possible to speak a language but not able to read or write in it. A baby does not speak until it is nine months old but it understands a few words at six months of age. It has been listening ever since it was born, and even a little before that. So the first strategy in speaking a language is to listen.

To know a language one must be able to?
Options:
1) Speak it as easily and naturally as a three year old child.
2) Read it well all the time.
3) Write it quickly
4) Sing in the language

Correct Answer: Speak it as easily and naturally as a three year old child.
Candidate Answer: Speak it as easily and naturally as a three year old child.