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

दिये गये विकल्पों में से संबंधित शब्द/अक्षरों/संख्या को चुनिए।

Dark:Light :: Noise:?

Options:
1) Music
2) Quiet
3) Melody
4) Vacuum

Correct Answer: Quiet

Candidate Answer: Quiet

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

दिये गये विकल्पों में से संबंधित शब्द/अक्षरों/संख्या को चुनिए।

BECD:GJHI :: LOMN:?

Options:
1) PSRQ
2) PQRS
3) QTSR
4) QTRS

Correct Answer: QTRS

Candidate Answer: QTRS

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

दिये गये विकल्पों में से संबंधित शब्द/अक्षरों/संख्या को चुनिए।

27:125 :: 64:? 

Options:
1) 162
2) 216
3) 273
4) 514

Correct Answer: 216

Candidate Answer: 216
Question 4.

For the following questions

Find the odd word/letters/number pair from the given alternatives

िनिलखित प्रश्न में दिए गए विकल्पों में से विषम शब्द/अक्षर/संख्या प्राप्त की जाए?

Options:
1) Meter मीटर
d) Kilometre किलोमीटर
e) Decimetre डेसीमीटर
c) Ammeter ऐमीटर
correct answer: Ammeter ऐमीटर
candidate answer: Ammeter ऐमीटर

Question 5.

For the following questions

Find the odd word/letters/number pair from the given alternatives

िनिलखित प्रश्न में दिए गए विकल्पों में से विषम शब्द/अक्षर/संख्या प्राप्त की जाए?

Options:
1) HP
2) CJ
3) FN
4) RZ
Correct answer: CJ
Candidate answer: HP

Question 6.

For the following questions

Find the odd word/letters/number pair from the given alternatives

िनिलखित प्रश्न में दिए गए विकल्पों में से विषम शब्द/अक्षर/संख्या प्राप्त की जाए?

Options:
1) 52-61
2) 72-81
3) 54-63
4) 33-41
Correct answer: 33-41
Candidate answer: 33-41
Question 7. Arrange the following words as per their order in the dictionary:
िनिलखत शब्दों को शब्दक्रम में दिए गए क्रम के अनुसार लिखिए?

1) PHYSICAL
2) PHYSICS
3) PHYSIOLOGY
4) PHYSICIAN
5) PHONE

Options:
1) 5, 1, 4, 2, 3
2) 5, 1, 2, 3, 4
3) 1, 4, 5, 2, 3
4) 1, 5, 4, 3, 2

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

Question 8. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series:
िनिलखत प्रश्न में एक अनुक्रम दिया गया है, जिसमें एक पद चुका है। दिए गए विकल्पों में से वह सही विकल्प चुनिए जो अनुक्रम को पूरा करे?

BXM, EUP, HRS, ?

Options:
1) XZY
2) RPN
3) VTU
4) KOV

Correct Answer: KOV
Candidate Answer: KOV

Question 9. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series:
िनिलखत प्रश्न में एक अनुक्रम दिया गया है, जिसमें एक पद चुका है। दिए गए विकल्पों में से वह सही विकल्प चुनिए जो अनुक्रम को पूरा करे?

68, 72, 65, 69, 62, 66, _?_

Options:
1) 59
2) 61
3) 68
4) 75

Correct Answer: 59
Candidate Answer: 59

Question 10. Mohan said ‘This girl is the wife of grand-son of my mother’. How is Mohan related to that girl?
िोहन ने कहा "यह लड़की मेरी माँ के पोते की पत्नी है।" मोहन का उस लड़की से संबंध बताइए?

Options:
1) Grand-father
2) Husband
3) Father
4) Father-in-law

Correct Answer: Father-in-law
Candidate Answer: Father-in-law
Question 11. Of the six members of a panel sitting in a row, A is to the right of C, but left of B. E is sitting left of C and right of D, who is sitting to the right of F. Find the members sitting at the two ends of the row.

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

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

Options:
1) BILL
2) ABILITY
3) BIG
4) LEG
Correct Answer: ABILITY
Candidate Answer: ABILITY

Question 13. If REDUCE = 56, RECYCLE = 71 then REUSE = ?

Options:
1) 65
2) 68
3) 69
4) 70
Correct Answer: 68
Candidate Answer: 65

Question 14. If ‘+’ means ‘divided by’, ‘–’ means ‘multiplied by’, ‘x’ means ‘minus’ and ‘ şi ‘ means ‘plus’, which of the following will be the value of the expression:

16 ÷ 8 - 4 + 2 x 4 = ?

Options:
1) 16
2) 28
3) 32
4) 44
Correct Answer: 28
Candidate Answer: 28

Question 15. Some equations have been solved on the basis of a certain pattern. Find the correct answer for the unsolved equation on that basis:

Questions:

2*3*5 = 523
6*4*1 = 164
8*2*4 = 482,
then 6*8*2 = ?

Options:

Correct Answer: 28
Candidate Answer: 28
Question 16. Select the missing number from the given responses:

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>5</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>8</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>12</td>
<td></td>
<td>?</td>
</tr>
<tr>
<td>240</td>
<td>480</td>
<td>450</td>
<td></td>
</tr>
</tbody>
</table>

Options:
1. 15
2. 12
3. 8
4. 5
Correct Answer: 5
Candidate Answer: 286

Question 17. From her house Rimi went 20 km to the north. Then she turned west and covered 15 km. Then she turned south and covered 10 km. Finally turning to east, she covered 15 km. In which direction is she from her house?

Options:
1. East
2. West
3. North
4. South
Correct Answer: North
Candidate Answer: North

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: Some cars are buses.
All cars are caves.

Conclusion: I. Some caves are not buses
II. Some caves are buses
III. No cave is a bus
IV. Some caves are cars

निम्नलिखित प्रश्न में एक या दो वक्ताओं दिये गये हैं, जिसके आधार पर निम्नलिखित अनुसरण, I, II, III और IV निकालने गये हैं। आपको विचार करना है कि वक्ता जीवन में वह समानांतर समय तथा त्री विषयों से निकाला जा सकता है?

बक्ताता: 1. कुछ बसें हैं।
2. सभी कारें गुफाएं हैं।
निम्नलिखित I कुछ गुफाएं बसें नहीं हैं।
II कुछ गुफाएं बसें हैं।
III कोई भी गुफा नहीं है।
IV कुछ गुफाएं आते हैं।
Options:
1) Only I Conclusion follows
2) Only II conclusion follows
3) Only conclusions II and IV follows
4) Only conclusion IV follows

Correct Answer: Only conclusions II and IV follows

Candidate Answer: Only conclusions II and IV follows

Question 19.6 faces of the cube are painted with different colours as shown below. In figure 3, which colour is opposite to RED?
बर्तक के 6 फलकों को नीचे दिखाए अनुसार अलग-अलग रंगों से पेंट किया गया है। आकृति 3 में लाल रंग के ठीक सामने कौन-सा रंग है?

Options:
1) Black
2) Yellow
3) Orange
4) Pink

Correct Answer: Orange
Candidate Answer: Orange

Question 20. Which of the following diagram represents the relationship among Tall men, Black haired, Indians?
निघितित में से कौन-सा अरेख, तबे आदमियों, काले बालों वाले आदमियों और भारतीयों के बीच संबंध दर्शाता है?

Options:
1) Black
2) Yellow
3) Orange
4) Pink

Correct Answer: Orange
Candidate Answer: Orange
Options:
1)

2)

3)

4)

Correct Answer:

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

Which answer will complete the figure in the question figure?

Options:
1) 
2) 
3) 
4) 

Correct Answer:
Question 22. Select the one in which the question figure is hidden/embedded:

दी गई उत्तर आकृतियों में से उत्तर आकृति को चुनिए जिसमें प्रश्न आकृति निहित है?

Options:
1) 
2) 
3) 
4)
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 दिए प्रश्न में दिखाए अनुसार मोड़कर काटा जाए तो खोलने के बाद वह किस आकृति जैसा दिखाई देगा?

Options:

1) 

2) 

3) 

4)
Question 24. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?

निम्नलिखित प्रश्न में पद्धति एक दर्पण को MN रेखा पर रखा जाए तो दी गई उपर आकृतियाँ में से कौन-सी आकृति प्रश्न आकृति का सही प्रतिकृति होगी?

Correct Answer: [Diagram]

Candidate Answer: [Diagram]
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 from these matrices can be represented first by its row and next by its column, e.g., 'B' can be represented by 00, 13, etc., and 'O' can be represented by 56, 68, etc. Similarly, you have to identify the set for the word 'TEAR'.

Question: Identify the set for the word 'TEAR'.

Options:
1) 58,34,21,67
2) 96,11,26,12
3) 65,40,23,79
4) 77,58,21,98
Correct Answer: 65,40,23,79
Candidate Answer: 65,40,23,79

Question 26. Which of the following was not actively engaged in social and religious reforms in India?

Options:
1) Raja Ram Mohan Roy
2) Pandit Iswar Chandra Vidyasagar
3) Jotiba Phule
4) Bharatendu Harish Chandra
Correct Answer: Bharatendu Harish Chandra
Candidate Answer: Bharatendu Harish Chandra

Question 27. The main effect of Direct Taxes is on

Options:
1) Food prices
2) Consumer goods
3) Capital goods
4) Income
Correct Answer: Income
Candidate Answer: Consumer goods

Question 28. Who has the power to prorogue the Lok Sabha?

Candidate Answer: The power to prorogue the Lok Sabha lies with the President of India.
Options:
1) The Speaker
2) The Prime Minister
3) The Minister for Parliamentary Affairs
4) The President

Correct Answer: The President

Candidate Answer: The Speaker

Question 29: The first Europeans to come to India were

Options:
1) British
2) Dutch
3) French
4) Portuguese

Correct Answer: Portuguese

Candidate Answer: Portuguese

Question 30: The term 'Dumping' refers to

Options:
1) The sale of a sub-standard commodity
2) Sale in a foreign market of a commodity at a price below marginal cost
3) Sale in a foreign market of a commodity just at marginal cost with too much of profit
4) Smuggling of goods without paying any customs duty

Correct Answer: Sale in a foreign market of a commodity at a price below marginal cost

Candidate Answer: Sale in a foreign market of a commodity at a price below marginal cost

Question 31: When does the sun shine vertically on the Equator?

Options:
1) Throughout the year
2) For six months
3) Twice a year
4) Once a year

Correct Answer: Twice a year

Candidate Answer: Twice a year

Question 32: Lichen is an association between which of the two?

Options:

Correct Answer: Two a year

Candidate Answer: Twice a year
Options:
1) Algae and fungus
2) Algae and tree
3) Fungus and tree
4) Bacteria and legume plant

Correct Answer: Algae and fungus

Question 33. Among the given nutrients, milk is a poor source of which of the following?

Options:
1) Vitamin 'C'
2) Calcium
3) Protein
4) Carbohydrate

Correct Answer: Vitamin 'C'

Question 34. What is a Pepper plant?

Options:
1) Bush
2) Shrub
3) Vine
4) Tree

Correct Answer: Vine

Question 35. Why does a cannon recoil after firing?

Options:
1) Conservation of energy
2) Backward thrust of gases produced
3) Newton's third law of motion
4) Newton's first law of motion

Correct Answer: Newton's third law of motion

Question 36. Which of the following statement is true?

Visit www.qmaths.in for tons of free study materials and latest exam updates.
Options:
1) A Primary key is also a candidate key
2) Each relation has at least one foreign key
3) Foreign keys can't have null values
4) A Primary key is also an alternate key

Correct Answer: A Primary key is also a candidate key

Candidate Answer: A Primary key is also an alternate key

Question 37. Which of the following is used as non-stick coating for cooking utensils?

Options:
1) Perspex
2) Styrofoam
3) Polystyrene
4) Teflon

Correct Answer: Teflon

Candidate Answer: Polystyrene

Question 38. “Tsunami” is the name given to which of the following?

Options:
1) Earthquake
2) Cyclone
3) Tidal Waves
4) Undersea Waves

Correct Answer: Tidal Waves

Candidate Answer: Undersea Waves

Question 39. The first Indian citizen to get commercial Pilot’s Licence was

Options:
1) Vijaypat Singhania
2) J.R.D.Tata
3) Captain Gopinath
4) Vijay Mallya

Correct Answer: J.R.D.Tata

Candidate Answer: J.R.D.Tata
Question 40. Which of the following is/are 'rain cloud'?

1. Cirrus
2. Nimbostratus
3. Cumulonimbus
4. Altocumulus

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

**Correct Answer:** 2 and 3 only

**Candidate Answer:** 2 and 3 only

---

Question 41. According to the Indian Constitution, who has the power to declare emergency?

**Options:**
1) Prime Minister
2) President
3) Chief Justice
4) Parliament

**Correct Answer:** President

**Candidate Answer:** President

---

Question 42. Particulates (< 1 µm size) remaining suspended in air indefinitely and transported by wind currents are called

**Options:**
1) Mists
2) Fumes
3) Aerosols
4) Smoke

**Correct Answer:** Aerosols

**Candidate Answer:** Aerosols

---

Question 43. The least preferred technique in the disposal of Municipal Solid Waste is:

**Options:**

---

Visit [www.qmaths.in](http://www.qmaths.in) for tons of free study materials and latest exam updates.
Options:
1) Incineration
2) Composting
3) Land filling
4) Bricketting

Correct Answer: Bricketting

Candidate Answer: Bricketting

Question 44. A bomb explodes on the moon. You will hear its sound on earth after _________.

यदि कोई बम चंद्रमा पर विस्फोटित होता है तो पृथ्वी पर उसकी आवाज कितनी देर बाद सुनाई देगी?

Options:
1) 20 minutes
2) 2 hrs 20 minutes
3) 3.7 hours
4) You cannot hear the sound of explosion

Correct Answer: You cannot hear the sound of explosion

Candidate Answer: You cannot hear the sound of explosion

Question 45. Which one of the following takes place during a nuclear fusion?

न्यूक्लीय संलयन के दौरान निर्धारित में से क्या होता है?

Options:
1) a heavy nucleus bombarded by neutrons breaks up
2) a heavy nucleus breaks up spontaneously
3) two light nuclei combine to form a heavy nucleus
4) a heavy nucleus bombarded by neutrons breaks up

Correct Answer: two light nuclei combine to form a heavy nucleus

Candidate Answer: a heavy nucleus bombarded by neutrons breaks up

Question 46. Arrange the following cities in an order from North to South

1) Bhubaneshwar
2) Chennai
3) Hyderabad
4) Cochin

निर्धारित शहरों को उत्तर से दक्षिण की दिशा के क्रम में लिखिए?

1) पुणे
2) चेन्नई
3) हैदराबाद
4) कोच्चि
Question 47. British achieved political power in India after which of the following?

Options:
1) Battle of Plassey
2) Battle of Panipat
3) Battle of Buxar
4) Battle of Wandiwash

Correct Answer: Battle of Plassey
Candidate Answer: Battle of Wandiwash

Question 48. The number of permanent members of the U.N. Security Council is

Options:
1) 5
2) 15
3) 10
4) 25

Correct Answer: 5
Candidate Answer: 10
Question 49. Match list (I) with list (II)

<table>
<thead>
<tr>
<th>I</th>
<th>II</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. SARAS</td>
<td>i) battle tank</td>
</tr>
<tr>
<td>b. BHISHMA</td>
<td>ii) multipurpose</td>
</tr>
<tr>
<td></td>
<td>civil aircraft</td>
</tr>
<tr>
<td>c. BRAHMOs</td>
<td>iii) satellite</td>
</tr>
<tr>
<td>d. INSAT-3C</td>
<td>iv) missile</td>
</tr>
</tbody>
</table>

सूची (I) का सूची (II) से मिलान करें

Options:
1) a-i, b-ii, c-iii, d-iv
2) a-iii, b-ii, c-iv, d-i
3) a-iv, b-iii, c-i, d-ii
4) a-ii, b-i, c-iv, d-iii

Correct Answer: a-ii, b-i, c-iv, d-iii
Candidate Answer: a-ii, b-i, c-iv, d-iii

Question 50. "World Economic Outlook" report is published by which of the following?

वर्ल्ड इकोनोमिक आउटलूक रिपोर्ट किसके द्वारा प्रकाशित की जाती है?

Options:
1) IMF
2) World Bank
3) RBI
4) UNCTAD

Correct Answer: IMF
Candidate Answer: IMF

Question 51. The rate of working of A and B are in the ratio of 2:3. The number of days taken by them to finish the work is in the ratio:

A और B के काम करने की दर 2:3 के अनुपात में है। उनके द्वारा काम को पूरा करने में लिए गए दिनों का अनुपात क्या होगा?

Options:
1) 2:3
2) 4:9
3) 3:2
4) 9:4

Correct Answer: 3:2
Candidate Answer: 3:2

Question 52. The ratio of two positive numbers is 3:4. The sum of their squares is 400. What is the sum of the numbers?

दो धनात्मक संख्याओं का अनुपात 3:4 है। उनके वर्गों का योग 400 है। संख्याओं का योग कितना है?

Options:
1) 2:3
2) 4:9
3) 3:2
4) 9:4

Correct Answer: 3:2
Candidate Answer: 3:2

Visit www.qmaths.in for tons of free study materials and latest exam updates.

http://thepracticetest.in/challengesystem/response_questions.php?r_id=MTA=&appid=1a4f4f89f436b24a40c79decc09bb87
Question 53. If 10% loss is made on selling price, then the rate of loss on the cost price will be

यदि बिक्री मूल्य पर 10% की हानि होती है, तो लागत मूल्य पर हानि की दर क्या होगी?

Options:
1) 11\frac{1}{9} \%
2) 9\frac{1}{11} \%
3) 10\%
4) 11\%
Correct Answer: 11\frac{1}{9} \%
Candidate Answer: 11\frac{1}{9} \%

Question 54. If "basis points" are defined so that 1 percent is equal to 100 basis points, then by how many basis points is 82.5 percent greater than 62.5 percent?

यदि "आधार इंडेक्स" को इस प्रकार परिभाषित किया जाए कि 1 प्रतिशत 100 आधार इंडेक्स के बराबर है तो 82.5 प्रतिशत से 62.5 प्रतिशत अधिक है?

Options:
1) 0.2
2) 20
3) 200
4) 2000
Correct Answer: 2000
Candidate Answer: 2000

Question 55. Sound travels at 330 metres per second. The distance (in kilometres) of a thunder cloud when its sound follows the flash after 10 seconds is

घनी 330 मीटर प्रति सेकेंड की गति से पा जाती है। यदि बादलों के गर्जने की आवाज बिजली के बाद दस सेकेंड में ते उसकी दूरी (किलोमीटर में) कितनी होगी?

Options:
1) 0.33 km
2) 3.3 km
3) 33 km
4) 33.3 km
Correct Answer: 3.3 km
Candidate Answer: 3.3 km

Question 56. For what sum will the simple interest at R% for 2 years will be R?

कितनी राशि पर 2 वर्ष की R% पर साधारण ब्याज R होगा?
Question 57.
if $p^2 + \frac{1}{p^2} = 47$, the value of $p + \frac{1}{p}$ is

\[
\text{यदि } p^2 + \frac{1}{p^2} = 47 \text{ है, तो } p + \frac{1}{p} \text{ का मान बताएं?}
\]

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

Question 58. The third proportional of the following numbers $(x-y)^2$, $(x^2-y^2)^2$ is

$(x-y)^2$, $(x^2-y^2)^2$ इन संख्याओं का तीसरा यथानुपात क्या है?

Options:
1) $(x+y)^3 (x+y)^2$
2) $(x+y)^4 (x+y)^2$
3) $(x+y)^2 (x-y)^2$
4) $(x+y)^2 (x-y)^3$
Correct Answer: $(x+y)^4 (x-y)^2$
Candidate Answer: $(x+y)^4 (x-y)^2$

Question 59. Two circles touch each other externally. The distance between their centres is 7 cm. If the radius of one circle is 4 cm, then the radius of the other circle will be

दो वृत्त बाहर की ओर से एक दूसरे को स्पर्श करते हैं। उनके केंद्रों के बीच की दूरी 7 से.मी. है। यदि एक वृत्त की क्रिक्क 4 से.मी. है, तो दूसरे वृत्त की क्रिक्क कितनी होगी?

Options:
1) 3 cm
2) 4 cm
3) 5.5 cm
4) 3.5 cm
Correct Answer: 3 cm
Question 60. Let ΔABC and ΔABD be on the same base AB and between the same parallels AB and CD. Then the relation between areas of triangles ABC and ABD will be

माना कि ΔABC और ΔABD समान आधार AB पर हैं, और समान समांतर AB और CD के बीच हैं, तो ΔABC और ΔABD के क्षेत्रफल के बीच क्या सम्बन्ध होगा?

Options:
1) \[ \text{ΔABD} = \frac{1}{3} \text{ΔABC} \]
2) \[ \text{ΔABD} = \frac{1}{2} \text{ΔABC} \]
3) \[ \text{ΔABC} = \frac{1}{2} \text{ΔABD} \]
4) \[ \text{ΔABC} = ΔABD \]

Correct Answer: \[ ΔABC = ΔABD \]

Candidate Answer: \[ ΔABC = ΔABD \]

Question 61. The least value of \( \tan^2x + \cot^2x \) is

\[ \tan^2x + \cot^2x \] का मूल्यांकन मान क्या है?

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

Correct Answer: 2

Candidate Answer: 1

Question 62. While selling a watch, a shopkeeper gives a discount of 5%. If he gives a discount of 7%, he earns ₹ 15 less as profit. The marked price of the watch is

एक दुकानदार घड़ी बेचते समय 5% की छूट देता है। पद्धति वह 7% की छूट देता है तो वह लाभ के रूप में ₹ 15 कम कमाता है। घड़ी का अंकित मूल्य क्या है?

Options:
1) 697.5
2) 712.5
3) 750
4) None of the these

Correct Answer: 750

Candidate Answer: None of the these

Question 63. What least value must be assigned to '*' so that the number 63576 * 2 is divisible by 8?

'*' के स्थान पर कितना स्थानांक मान रखा जाए कि 63576*2 संख्या 8 से विभाजित हो जाए?

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

Correct Answer: 3

Candidate Answer: 3
Question 64. A student, by mistake, wrote 64 in place of 46 as a number at the time of finding the average of 10 given numbers and got the average as 50. The correct average of the numbers is

एक छात्र ने दी गई 10 संख्याओं का औसत गांठने के समय गलती से 46 के बजाय 64 लिखा और औसत 50 निकाला, संख्याओं का सही औसत कैसे कीजिए?

Options:
1) 48.2
2) 48
3) 48.1
4) 49
Correct Answer: 48.2
Candidate Answer: 48.2

Question 65. If \(x + \sqrt{5} = 5 + \sqrt{y}\) and \(x, y\) are positive integers, then the value of \(\sqrt{x + y} \times \sqrt{5}\) is

यदि \(x + \sqrt{5} = 5 + \sqrt{y}\) और \(x, y\) संख्याकृत पूर्णांक हैं, तो \(\sqrt{x + y} \times \sqrt{5}\) का मान क्या है?

Options:
1) 1
2) 2
3) \(\sqrt{5}\)
4) 5
Correct Answer: 1
Candidate Answer: 1

Question 66. The cube of 997 is

997 का घन क्या है?

Options:
1) 991026973
2) 991029673
3) 991029773
4) 991097273
Correct Answer: 991026973
Candidate Answer: 991029773

Question 67. Length of the sides of a triangle are \(a, b, c\) respectively. If \(a^2 + b^2 + c^2 = ab + bc + ca\) then the triangle is

एक त्रिभुज की भुजाओं की लम्बाई क्रमांक: \(a, b, c\) है। यदि \(a^2 + b^2 + c^2 = ab + bc + ca\) हो तो त्रिभुज कैसा होगा?

Options:
1) isosceles समबाहु
2) equilateral समबाहु
3) scalene विसमबाहु
4) right-angled समकोणीय
Correct Answer: equilateral समबाहु
Candidate Answer: equilateral समबाहु
Question 68. The area of the circle with radius $Y$ is $W$. The difference between the areas of the bigger circle (with radius $Y$) and that of the smaller circle (with radius $X$) is $W'$. So $x/y$ is equal to

\[ \sqrt{1 - \frac{w^2}{w}} \]

Options:
1) \[ \sqrt{1 - \frac{w^2}{w}} \]
2) \[ \sqrt{1 + \frac{w^1}{w}} \]
3) \[ \sqrt{1 + \frac{w}{w^1}} \]
4) \[ \sqrt{1 - \frac{w}{w^1}} \]

Correct Answer: \[ \sqrt{1 - \frac{w^2}{w}} \]

Candidate Answer: \[ \sqrt{1 - \frac{w^2}{w}} \]

Question 69. If $\cos 21^\circ = x/y$, then $\cosec 21^\circ - \cos 69^\circ$ is equal to

If $\cos 21^\circ = x/y$, then $\cosec 21^\circ - \cos 69^\circ$ is equal to

Options:
1) \[ \frac{x^2}{y \sqrt{y^2 - x^2}} \]
2) \[ \frac{y^2}{x \sqrt{x^2 - y^2}} \]
3) \[ \frac{y^2}{x \sqrt{x^2 - y^2}} \]
4) \[ \frac{x^2}{y \sqrt{y^2 - x^2}} \]

Correct Answer: \[ \frac{x^2}{y \sqrt{y^2 - x^2}} \]

Candidate Answer: \[ \frac{x^2}{y \sqrt{y^2 - x^2}} \]
Question 70. A right circular conical structure stands on a circular base of 21 m diameter and is 14 m in height. The total cost of colour washing for its curved surface at ₹ 6 per sq. m. is

(Take $\pi = 22/7$)

एक लंब वृत्तीय शंकूकार ढांचा 21 मी. व्यास वाले वृत्तीय आधार पर खड़ा है जिसकी ऊंचाई 14 मी. है। ₹ 6 प्रति वर्गमीटर के हिसाब से तिस्री सतह की रंगाई की कुल लागत कितनी होगी?

(जहाँ $\pi = 22/7$)

Options:
1) 4365
2) 4465
3) 3465
4) 3365
Correct Answer: 3465
Candidate Answer: 4365

Question 71. A telegraph post is bent at a point above the ground. Its top just touches the ground at a distance of $8\sqrt{3}$ m from its foot and makes an angle of $30^\circ$ with the horizontal. The height (in metre) of the post is

एक टेलीग्राफ पीठ जमीन के ऊपर एक बिंदु पर झुका हुआ है। उसका शीर्ष उसके पाद से $8\sqrt{3}$ मी. की दूरी पर जमीन को स्पर्श करता है और क्षेत्र पर $30^\circ$ का कोण बनाता है। शिखर की ऊंचाई कितनी (मीटर में)?

Options:
1) 12
2) 16
3) 18
4) 24
Correct Answer: 24
Candidate Answer: 24

Question 72. Study the graph and answer the following questions.

The graph shows the number of bicycles parked in the parking space of a hall at various points of time.

श्रेणी का अध्ययन करें और निम्नलिखित प्रश्नों का उत्तर दीजिए।

ग्राफ यह बताता है कि एक हॉल के वाहन गार्ड की गई साइकलों की गई संख्या?

Charges for parking is Rs. 1 per hour. What will be the total collection from 9 AM to 7 PM

पार्किंग किराया प्रति घंटा Rs. 1 है। 9 बजे से 7 बजे तक कुल कितनी धनराशि एकजित होगी?
Question 73. Study the graph and answer the following questions.

The graph shows the number of bicycles parked in the parking space of a hall at various points of time.

What is the percentage decrease in the number of parked cycles between 7 pm and 8 pm? (in whole number)

Options:
1) 30
2) 38
3) 42
4) 45
Correct Answer: 45
Candidate Answer: 30
Question 74. Study the graph and answer the following questions.

The graph shows the number of bicycles parked in the parking space of a hall at various points of time.

What is the average number of parked cycles as seen from the graph?

Options:

1) 40
2) 45
3) 55
4) 60

Correct Answer: 60
Candidate Answer: 60
Question 75. Study the graph and answer the following questions.

The graph shows the number of bicycles parked in the parking space of a hall at various points of time.

How many times, as mentioned in the graph, is the number of parked cycles above average?

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

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.

RATIONAL
Options:
1) TIDY
2) AGREEABLE
3) LAUDABLE
4) LOGICAL
Correct Answer: LOGICAL
Candidate Answer: LOGICAL

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.

INTERIM
Options:
1) PROVISIONAL
2) TENTATIVE
3) PERMANENT
4) INTERVAL
Correct Answer: PERMANENT
Candidate Answer: TENTATIVE

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) Breif
2) Percieve
3) Relieve
4) Cheif
Correct Answer: Relieve
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.

The King Juan Carlos of Spain (A) arrived in London today (B) for a three day visit (C)/No error (D)

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

Many people die (A) with cholera (B) every year (C)/No error (D)

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

I was (A) at loss (B) and did not know what to do (C)/No error (D)

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

The king was moved with ______ for the beggar

Options:
1) pity
2) piety
3) pithy
4) privy
Correct Answer: pity
Candidate Answer: pity

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.

A big dictionary ______ ______ the table near the door

Options:
1) are on
2) is over
3) is on
4) is up
Correct Answer: is on
Candidate Answer: is on

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.

Mr. Sen is absent today. He ________ sick

Options:
1) has to be
2) could have been
3) might be
4) must have been
Correct Answer: might be
Candidate Answer: might be
Candidate Answer: might be

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.

Feather in one’s cap

Options:
1) Discrimination
2) A new and additional distinction
3) Hunting
4) Bird watching
Correct Answer: A new and additional distinction
Candidate Answer: Hunting

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.

Donkey’s years

Options:
1) A decade
2) A long time
3) A century
4) Since school days
Correct Answer: A long time
Candidate Answer: A long time

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.

Leave no stone unturned

Options:
1) Try every possible way
2) Behave smartly
3) Constructing
4) Wasting no time
Correct Answer: Try every possible way
Candidate Answer: Wasting no time

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 child born after the death of father

Options:
1) Post dated
2) Premature
3) Paternal
4) Posthumous
Correct Answer: Posthumous
Candidate Answer: Posthumous

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 person who completely abstains from alcohol

Options:
1) teetotaller
2) drunkard
3) alcoholic
4) imposter
Correct Answer: teetotaller
Candidate Answer: imposter

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.

One who is able to use both hands

Options:
1) Sinister
2) Ambidextrous
3) Ambivalent
4) Amateur
Correct Answer: Ambidextrous
Candidate Answer: Ambidextrous
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".

In case of a natural calamity the shortage of essential things must be overcome in a short time

Options:
1) commodities
2) consignments
3) material
4) No improvement

Correct Answer: commodities
Candidate Answer: No improvement

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".

She decided to go there, though her husband cautioned her on it

Options:
1) against
2) for
3) about
4) No improvement

Correct Answer: against
Candidate Answer: for

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".

I am very much interested in your story

Options:
1) have been very interested
2) am much more interested
3) am very interesting
4) No improvement

Correct Answer: No improvement
Candidate Answer: have been very interested

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".

He refused the charge brought against him

Options:
1) disagreed
2) disowned
3) denied
4) No improvement

Correct Answer: denied
Candidate Answer: denied

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".

Working hard students always achieve good results

Options:
1) Energetic
2) Industrious
3) Talented
4) No improvement

Correct Answer: Industrious
Candidate Answer: Talented
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.

Namita is from the state of Kerala. She has come to Dubai to serve as a governess for the only child of the Nairs. The Nairs are nice and gentle and Namita has no cause to complain. One day she overhears something that makes her jittery. Mr. Nair is not employed in an American company as she has been told. The nature of his business is illegal. She is shocked and wants to go back to her home town to her own people.

Gopal is from a very poor family. His family owns a very small piece of land that can hardly meet their food requirement. One day, Gopal gets a nice offer to work in the Emirates with a construction contractor. In order to meet the expenses on travelling, the family decides to sell their own land and send Gopal to the foreign country, to make money. On arrival, the contractor confiscates Gopal's passport and gives him a small place to live in with ten others like him. Gopal has little idea what he must do.

Which word from the ones given below, best describes Namita's relationship with her employers in the beginning?

Options:
1) Cordial
2) Friendly
3) Sympathetic
4) Complaining

Correct Answer: Cordial
Candidate Answer: Sympathetic

Question 97. 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.

Namita is from the state of Kerala. She has come to Dubai to serve as a governess for the only child of the Nairs. The Nairs are nice and gentle and Namita has no cause to complain. One day she overhears something that makes her jittery. Mr. Nair is not employed in an American company as she has been told. The nature of his business is illegal. She is shocked and wants to go back to her home town to her own people.

Gopal is from a very poor family. His family owns a very small piece of land that can hardly meet their food requirement. One day, Gopal gets a nice offer to work in the Emirates with a construction contractor. In order to meet the expenses on travelling, the family decides to sell their own land and send Gopal to the foreign country, to make money. On arrival, the contractor confiscates Gopal's passport and gives him a small place to live in with ten others like him. Gopal has little idea what he must do.

What does the phrase, 'makes her jittery' imply?

Options:
1) Sadness
2) Anger
3) Trauma
4) Anxiety

Correct Answer: Anxiety
Candidate Answer: Anxiety

Question 98. 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.

Namita is from the state of Kerala. She has come to Dubai to serve as a governess for the only child of the Nairs. The Nairs are nice and gentle and Namita has no cause to complain. One day she overhears something that makes her jittery. Mr. Nair is not employed in an American company as she has been told. The nature of his business is illegal. She is shocked and wants to go back to her home town to her own people.

Gopal is from a very poor family. His family owns a very small piece of land that can hardly meet their food requirement. One day, Gopal gets a nice offer to work in the Emirates with a construction contractor. In order to meet the expenses on travelling, the family decides to sell their own land and send Gopal to the foreign country, to make money. On arrival, the contractor confiscates Gopal's passport and gives him a small place to live in with ten others like him. Gopal has little idea what he must do.

Namita and Gopal are in a similar situation, because they

Options:
1) love their families
2) are happy with their situations
3) are from impoverished families
4) are stranded in a foreign country

Correct Answer: are stranded in a foreign country
Candidate Answer: are stranded in a foreign country
Question 99.

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.

Namita is from the state of Kerala. She has come to Dubai to serve as a governess for the only child of the Nairs. The Nairs are nice and gentle and Namita has no cause to complain. One day she overhears something that makes her jittery. Mr. Nair is not employed in an American company as she has been told. The nature of his business is illegal. She is shocked and wants to go back to her home town to her own people.

Gopal is from a very poor family. His family owns a very small piece of land that can hardly meet their food requirement. One day, Gopal gets a nice offer to work in the Emirates with a construction contractor. In order to meet the expenses on travelling, the family decides to sell their own land and send Gopal to the foreign country, to make money. On arrival, the contractor confiscates Gopal’s passport and gives him a small place to live in with ten others like him. Gopal has little idea what he must do.

Namita’s situation is better than that of Gopal, because she

Options:
1) has a well behaved employer
2) knows what she wants to do
3) loves the new place and the child
4) now knows about her employer

Correct Answer: knows what she wants to do
Candidate Answer: now knows about her employer

Question 100.

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.

Namita is from the state of Kerala. She has come to Dubai to serve as a governess for the only child of the Nairs. The Nairs are nice and gentle and Namita has no cause to complain. One day she overhears something that makes her jittery. Mr. Nair is not employed in an American company as she has been told. The nature of his business is illegal. She is shocked and wants to go back to her home town to her own people.

Gopal is from a very poor family. His family owns a very small piece of land that can hardly meet their food requirement. One day, Gopal gets a nice offer to work in the Emirates with a construction contractor. In order to meet the expenses on travelling, the family decides to sell their own land and send Gopal to the foreign country, to make money. On arrival, the contractor confiscates Gopal’s passport and gives him a small place to live in with ten others like him. Gopal has little idea what he must do.

The conclusion that can be drawn from both situations is that people should

Options:
1) stay in their own countries and villages
2) feel contented and satisfied with their lot
3) verify details before accepting any job
4) not travel to these regions of the world

Correct Answer: verify details before accepting any job
Candidate Answer: verify details before accepting any job

Visit www.qmaths.in for tons of free study materials and latest exam updates.