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

दिये गये विकल्पों में से संबंधित शब्द/आकर्षण/संख्या को पुनःग्रहण करें।

Foot : Man :: Hoof : ?

एंज: आदमी :: खुर : ?

Options:
1) Leg
पै
2) Dog
कुत्ता
3) Horse
घोड़ा
4) Shoe
जूता

Correct Answer: Horse
घोड़ा

Candidate Answer: Horse
घोड़ा

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

दिये गये विकल्पों में से संबंधित शब्द/आकर्षण/संख्या को पुनःग्रहण करें।

ACEG : ZXVT :: IKMO : ?

Options:
1) MNOP
2) PQRS
3) RPNI
4) LNPR

Correct Answer: RPNI

Candidate Answer: RPNI

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

दिये गये विकल्पों में से संबंधित शब्द/आकर्षण/संख्या को पुनःग्रहण करें।

68 : 130 :: 222 : ?

Options:
1) 345
2) 365
3) 355
4) 350

Correct Answer: 350

Candidate Answer: [ NOT ANSWERED ]

Question 4.

For the following questions

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

दिये गये विकल्पों में से संबंधित शब्द/आकर्षण/संख्या को पुनःग्रहण करें।
Question 5.

For the following questions
Find the odd word/letters/number pair from the given alternatives

Options:
1) MARCH
2) MAY
3) JUNE
4) DECEMBER
Correct Answer: JUNE
Candidate Answer: JUNE

Question 6.

For the following questions
Find the odd word/letters/number pair from the given alternatives

Options:
1) CZHK
2) SENO
3) XUBU
4) MLAG
Correct Answer: XUBU
Candidate Answer: XUBU

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

1. Follicle 2. Folk 3. Follow 4. Foliage

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

Question 8.A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

8, 15, 28, 53, ?
Question 9. A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

नीचे एक श्रृंखला दी गई है, जिसमें एक पद लुप्त है। दिए गए विकल्पों में से वह सही विकल्प पुनिए जो अवक्रम को पूरा करे।

WFB, TGD, QHG, ?

Options:
1) NIL
2) NIK
3) NLK
4) NJL
Correct Answer: NIK
Candidate Answer: NIK

Question 10. The average age of 19 boys in a class is 21 years. If the teacher's age is included, the average increases to 22 years. What is the teacher's age?

एक कक्ष में 19 लड़के की औसत आयु 21 वर्ष है। यदि अध्यापक की आयु भी शामिल की जाए तो वह बढ़कर 22 वर्ष हो जाती है। अध्यापक की आयु कितनी है?

Options:
1) 39 years
2) 41 years
3) 40 years
4) 44 years
Correct Answer: 41 years
Candidate Answer: 41 years

Question 11. A man is 3 years older than his wife and four times as old as his son. If the son becomes 15 years old after 3 years. Then what is the present age of the wife?

एक आदमी अपनी पत्नी से 3 वर्ष बड़ा है और उसकी उम्मीदने बेटे की 4 गुना है। अगर बेटा 3 साल के बाद 15 वर्ष का हो जाता है, तो उसकी पत्नी की वर्तमान उम्र क्या है?

Options:
1) 60 years
2) 51 years
3) 48 years
4) 45 years
Correct Answer: 45 years
Candidate Answer: 45 years

Question 12. From the given alternative words, select the word which can not be formed using the letter of the given word:

नीचे दिए गए विकल्पों में से वह शब्द पुनिए जो दिए गए शब्द के अक्षरों का प्रयोग करके नहीं बनाया जा सकता है।

UNIVERSALISATION

Options:
1) NATION
2) CURTAIN
3) LIVER
4) AVIATION
Correct Answer: CURTAIN
Candidate Answer: CURTAIN
Question 13. If FRIEND is coded as HTKGPF then REVEAL will be coded as:

Options:
1) TGXFCN
2) TGXNGC
3) TXGNCG
4) TGXGCN
Correct Answer: TGXGCN

Candidate Answer: TGXGCN

Question 14. Which of the following interchange of signs would make the equation correct?

Options:
1) - and ÷
2) + and x
3) + and ÷
4) + and -
Correct Answer: - and ÷

Candidate Answer: - and ÷

Question 15. Select the correct combination of mathematical signs to replace * signs and to balance the equation.

Options:
1) ÷, +, x, =
2) ÷, =, x, +
3) ÷, +, x =
4) ÷, +, x =
Correct Answer: ÷, +, x =

Candidate Answer: ÷, +, x =

Question 16. Find the missing number from the alternatives

Options:
1) 125
2) 175
3) 225
4) 250
Correct Answer: 225

Candidate Answer: 225

Question 17. Starting from a point, a person travels 3 km towards east and turns left and travels 4 km. Then again he turns to left by 45° and moves straight. Which direction is he facing now?

Options:
1) 125
2) 175
3) 225
4) 250
Correct Answer: 225

Candidate Answer: 225

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Options:  
1) North-East  
उत्तर-पूर्व  
2) North-West  
उत्तर-पश्चिम  
3) South-East  
दक्षिण-पूर्व  
4) South-West  
दक्षिण-पश्चिम  

Correct Answer: North-West  
उत्तर-पश्चिम  

Candidate Answer: North-West  
उत्तर-पश्चिम  

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: If he works hard he will be successful in life. 

Conclusions: I. He is a hard worker. 
Conclusions: II. Hard work pays.

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

Correct Answer: Only II follows  
Candidate Answer: Only II follows  

Question 19. How many rectangles can you see in the figure? 

Options:  
1) 9  
2) 8  
3) 10  
4) 7  

Correct Answer: 9  
Candidate Answer: 7  

Question 20. Identify the diagram that best represents the relationship among classes given below 
Tennis fans, Cricket players, Students 

Options:  
1)  
2)  
3)  
4)  

Correct Answer:  
Candidate Answer: 

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

कौन-सी उत्तर आकृति प्रश्न आकृति के प्रतिरूप को पूरा करेगी?
Question 22. From the given answer figures, select the one in which the question figure is hidden/embedded.

Correct Answer:

Candidate Answer:

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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.

नीचे दी गई आकृति के कलम को जैसे खींचा गया है | उस तरह मोड़कर, काटने तथा खोलने के बाद वह किस उंतर आकृति से दिखाई देगा?
Options:

1)

2)

3)

4)

Correct Answer:

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

Options:

1) 

2) 

3) 

4) 

Correct Answer: 

Candidate Answer: 

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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 02, 31, etc., and 'K' can be represented by 33, 78, etc.

Similarly you have to identify the set for the word 'REST'.

<table>
<thead>
<tr>
<th>MATRIX - I</th>
<th>MATRIX - II</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 T R A F E</td>
<td>5 E S A F R</td>
</tr>
<tr>
<td>1 O C M P O</td>
<td>6 A R O S C</td>
</tr>
<tr>
<td>2 E S R T A</td>
<td>7 T O E P S</td>
</tr>
<tr>
<td>3 M A N P C</td>
<td>8 S M T A N</td>
</tr>
<tr>
<td>4 E T F N R</td>
<td>9 R C T F E</td>
</tr>
</tbody>
</table>

Options:
1) 22, 20, 79, 99
2) 66, 77, 68, 23
3) 44, 77, 24, 87
4) 22, 77, 79, 76

Correct Answer: 66, 77, 68, 23
Candidate Answer: 66, 77, 68, 23

Question 26.

In a Parliamentary form of Government __________

संसदीय स्वायत्त की सरकार में __________

Options:
1) The Legislature is responsible to the Judiciary
2) The Executive is responsible to the Legislature
3) The Legislature is responsible to the Executive
4) The Judiciary is responsible to the Legislature

Correct Answer: The Executive is responsible to the Legislature.
Candidate Answer: [ NOT ANSWERED ]

Question 27.

Which of the following statements is correct about the President of India?

भारत के राष्ट्रपति के सम्बन्ध में निम्नलिखित में से कौन-सा कथन सही है?

Options:
1) Addresses first session of Parliament after each General Election.
2) Addresses first session of Parliament at the beginning of each year
3) Addresses every session of Parliament
4) Never addresses Parliament

Correct Answer: Addresses first session of Parliament after each General Election.
Candidate Answer: [ NOT ANSWERED ]

Question 28.

Which of the following periodicals is not correctly matched with its editor?

निम्नलिखित में से कौन-सी पत्रिका का उसके संपादक से सही मिलना नहीं हुआ है?

Options:
1) Addresses first session of Parliament after each General Election.
2) Addresses first session of Parliament at the beginning of each year
3) Addresses every session of Parliament
4) Never addresses Parliament
Question 29. Silk worms feed on

Options:
1) Basil leaves
2) Curry leaves
3) Rose leaves
4) Mulberry leaves

Correct Answer: Mulberry leaves

Question 30. Who among the following has been appointed the new Coach of the Indian Cricket team by the BCCI recently?

Options:
1) Saurav Ganguly
2) Anil Kumble
3) Rahul Dravid
4) S. R. Kulkarni

Correct Answer: Anil Kumble

Question 31. What is the product formed when sodium bicarbonate is heated strongly?

Options:
1) Sodium Carbonate
2) Sodium Hydroxide
3) Sodium Peroxide
4) Sodium Monoxide

Correct Answer: Sodium Carbonate

Question 32. Mission Indradhanush - a programme introduced recently in the country by the NDA Government is related to:

Options:
1) Saurav Ganguly
2) Anil Kumble
3) Rahul Dravid
4) S. R. Kulkarni

Correct Answer: [ NOT ANSWERED ]

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Options:
1) Systematic immunization of children against disease
कुछ बच्चों के प्रति बच्चों का प्रणालीभाव प्रतिष्ठाण
2) Providing insurance cover to farmers against crop failure
फसल बाध्य हो जाने की स्थिति में किसानों की वीमा सुरक्षा पदन करना
3) Development of fisheries in rural areas
वाणिज्य क्षेत्रों में महत्त्व-पालन विकसित करना
4) Development of multiple cropping in hilly region
पर्वतीय क्षेत्रों में फसल विकसित करना

Correct Answer: Systematic immunization of children against disease
कुछ बच्चों के प्रति बच्चों का प्रणालीभाव प्रतिष्ठाण

Candidate Answer: Systematic immunization of children against disease
कुछ बच्चों के प्रति बच्चों का प्रणालीभाव प्रतिष्ठाण

Question 33. Who among the following Indians has been honoured by a special Oscar?
निम्नलिखित में से किस भारतीय को विशेष ऑस्कर पुरस्कार दिया गया?

Options:
1) Mahesh Bhatt
महेश भाट
2) Satyajit Ray
सत्यजीत रे
3) Mira Nair
मीरा नाईर
4) G.P. Sippy
जी ई. सिप्पी

Correct Answer: Satyajit Ray
सत्यजीत रे

Candidate Answer: G.P. Sippy
जी ई. सिप्पी

Question 34. What situation would result if Government expenditure exceeds the Government revenue on Current Account?
यदि वात खाता पर संस्करण खाते संस्करण राजग अधिक हो, तो क्या स्थिति होगी?

Options:
1) Deficit budgeting
घाटा बजट
2) Zero-based budgeting
शून्य आधारित बजट
3) Performance-based budgeting
विभाजन आधारित बजट
4) Surplus budgeting
अधिक बजट

Correct Answer: Deficit budgeting
घाटा बजट

Candidate Answer:[ NOT ANSWERED ]

Question 35. Disguised unemployment in India is mainly related to
भारत में चुप्पी बोझिलगारी मुख्य रूप से किस क्षेत्र में है?

Options:
1) Agricultural sector
कृषि क्षेत्र
2) Rural Area
वाणिज्य क्षेत्र
3) Factory sector
फैक्टरी क्षेत्र
4) Urban Area
शहरी क्षेत्र

Correct Answer: Agricultural sector
कृषि क्षेत्र

Candidate Answer: Rural Area
वाणिज्य क्षेत्र

Question 36. Which of the following is not guaranteed by Indian Constitution?
निम्नलिखित में से भारतीय संविधान किसकी गारंटी नहीं देता?

Options:
1) Agricultural sector
कृषि क्षेत्र
2) Rural Area
वाणिज्य क्षेत्र
3) Factory sector
फैक्टरी क्षेत्र
4) Urban Area
शहरी क्षेत्र

Correct Answer: [ NOT ANSWERED ]

Visit www.qmaths.in for tons of free study materials and latest exam updates.
Options:
1) Right to Equality
समता का हक
2) Right of religious freedom
धार्मिक आजादी
3) Right to Constitutional remedies
संविधानिक उपचार का हक
4) Right to free education for all
सभी को शिक्षा का हक

Correct Answer: Right to free education for all
सभी को शिक्षा का हक

Candidate Answer: Right to free education for all
सभी को शिक्षा का हक

Question 37. A wide inlet of the sea usually concave in shape, is termed as a:
समुद्र की एक चौड़ी उपखाड़ी (प्रवेश मार्ग) जो आकार में अवतल हो, क्या कहलाती है?

Options:
1) Strait
जलसंयोजी
2) Sound
जलमगमनाय
3) Bay
बाढ़ी
4) Fjord
पहाड़ों के बीच में समुद्र रासता

Correct Answer: Bay
बाढ़ी

Candidate Answer: Sound
जलमगमनाय

Question 38. Punjab has a large number of inundation canals drawing water from
पंजाब में बड़ी संख्या में आफस्सन नहर, इनमें जल कहर से आता है?

Options:
1) Jhelum river
झेलम नदी
2) Chenab river
चेनाब नदी
3) Beas river
बीस नदी
4) Sutlej river
सतलुज नदी

Correct Answer: Sutlej river
सतलुज नदी

Candidate Answer: Sutlej river
सतलुज नदी

Question 39. The sexual reproductive organs of aspergillus are:
एसपिजलस के जनन अंग कौन से है?

Options:
1) Spermatium and Oogonium
स्पर्मशीतल और अंडधानी
2) Antheridium and Oogonium
पुंधानी और अंडधानी
3) Spermatium and Ascogonium
स्पर्मशीतल और ऐस्कोधानी
4) Antheridium and Ascogonium
पुंधानी और ऐस्कोधानी

Correct Answer: Antheridium and Ascogonium
पुंधानी और ऐस्कोधानी

Candidate Answer: [ NOT ANSWERED ]

Question 40. Stars twinkle but planets do not twinkle because
तारे चमकते हैं, किन्तु यह नहीं चमकते क्योंकि ____________

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Options:
1) they emit light of a constant intensity
   वे चिंत्र प्रकाश का प्रकाश उस्तुलित करते हैं
2) their distance from the earth does not change with time
   उनकी पृथ्वी से दूरी समय के साथ परिवर्तित नहीं होती
3) they are very far away from the earth resulting in decrease in intensity of light
   वे पृथ्वी से अधिक दूर पर हैं और परिणाम स्वरूप प्रकाश की प्रकाशता में कम हो जाती है
4) they are nearer to the earth and hence we receive a greater amount of light and therefore minor variations in intensity are not noticeable
   वे पृथ्वी के करीब हैं इसलिए उनसे अधिक प्रकाश मिलता है और प्रकाश में यदि कोई मोट परिवर्तन होते ही मौले तो वे नज़र में नहीं आते

Correct Answer: they are nearer to the earth and hence we receive a greater amount of light and therefore minor variations in intensity are not noticeable

Candidate Answer: they emit light of a constant intensity

Question 41. Which of the following is not true about X-rays?
एक्स-रे के संबंध में निम्नलिखित विकल्प में से कौन-सा विकल्प सही नहीं है?

Options:
1) have low penetrating power
   इसमें कम भेदन क्षमता होती है
2) travel with the speed of light
   यह प्रकाश की गति से चलती है
3) Can be reflected or refracted
   यह परावर्तन या अपरावर्तन करने हो सकती है
4) can affect photographic plates
   फोटोग्राफिक प्लेट को प्रभावित कर सकती है

Correct Answer: have low penetrating power

Candidate Answer: have low penetrating power

Question 42. _____ changes each time it is installed to avoid detection by antivirus software.
एक्स-रे के संबंध में निम्नलिखित विकल्प में से कौन-सी वस्तु भी स्थानिक किया जाता है, परिवर्तित होता है?

Options:
1) Polymorphic virus
   पोलिमोरफिक वायरस
2) worm
   वार्म
3) logic bomb
   लॉजिक बॉम
4) trojan horse
   टॉर्जन हॉर्स

Correct Answer: Polymorphic virus

Candidate Answer: [ NOT ANSWERED ]

Question 43. Which one of the following weeds is effective in controlling water pollution caused by industrial effluents?
निम्नलिखित में से कौन-सी खरपतवार औद्योगिक बदर-खबर से होने वाले जल प्रदूषण को नियंत्रित कर सकती है?

Options:
1) Parthenium
   पाथेनियम
2) Elephant grass
   हाथी घास
3) Water hycinth
   जल कुंभी
4) Mogar grass
   मोगर घास

Correct Answer: Parthenium

Candidate Answer: Water hycinth

Question 44. One of the following is also called as World Bank
निम्नलिखित में से किसको "विश्व बैंक" भी कहा जाता है?

Options:
1) Partenium
   पाथेनियम
2) Elephant grass
   हाथी घास
3) Water hycinth
   जल कुंभी
4) Mogar grass
   मोगर घास

Correct Answer: Parthenium
Question 45. The book entitled, 'Playing it my way' has been authored by

Options:
1) Sachin Tendulkar
2) V V S Laxman
3) Saurav Ganguly
4) Chetan Chauhan

Correct Answer: Sachin Tendulkar

Question 46. Which of the following is an example of Cartel?

Options:
1) OPEC
2) IMF
3) WTO
4) UNO

Correct Answer: OPEC

Question 47. Sullage water is

Options:
1) Waste water released from kitchen
2) Waste water released from toilets
3) Waste water released from factories
4) Waste water released from hospitals

Correct Answer: Waste water released from kitchen

Question 48. Who was the first woman Chief Minister of Uttar Pradesh?

Correct Answer: AB Vohra
Collect the options:
1) Annie Besant एनी बे संट
2) Mayawati मायावती
3) Vijayalakshmi Pandit विजयलक्ष्मी पंडित
4) Sucheta Kriplani सुधेता कुर्पलाणी

Correct Answer: Sucheta Kriplani सुधेता कुर्पलाणी
Candidate Answer: Sucheta Kriplani सुधेता कुर्पलाणी

Question 49. The most pure form of carbon among the options is निम्नलिखित विकल्पों में से कार्बन का सबसे ठीक रूप क्या है?

Options: 1) Anthracite एंथ्रासाइट
2) Lampblack काजल
3) Graphite ग्रैफाइट
4) Wood Charcoal लक्डी का कोयला

Correct Answer: Anthracite एंथ्रासाइट
Candidate Answer: Anthracite एंथ्रासाइट

Question 50. Chalukya temples (Jain temples) at Dilwara are situated in दिलवारा के चालुक्य मंदिर (जैन मंदिर) कहां स्थित है?

Options: 1) Madhya Pradesh मध्य प्रदेश
2) Uttar Pradesh उत्तर प्रदेश
3) Rajasthan राजस्थान
4) Haryana हरियाणा

Correct Answer: Rajasthan राजस्थान
Candidate Answer: Rajasthan राजस्थान

Question 51. The difference between the greatest and least five-digit numbers formed by the digits 2,5,0,6,8 is (repetition of digits are not allowed) 2,5,0,6,8 अंकों से बनी अधिक और न्यूनतम पाँच-अंकीय संख्या का अंतर क्या होगा (अंकों के पुनरावुत्ति अनुमति नहीं है)?

Options: 1) 69552
2) 65925
3) 65952
4) 63952

Correct Answer: 65952
Candidate Answer: 65952

Question 52. The price of a shirt after 15% discount, is Rs. 119. What was the marked price of the shirt before discount किसी कमीज का मूल्य 15% की छूट देने के बाद Rs. 119 है। छूट के पहले कमीज का अंकीय मूल्य क्या था?

Options: 1) Rs. 129
2) Rs. 140
3) Rs. 150
4) Rs. 160

Correct Answer: Rs. 140
Candidate Answer: Rs. 140
Question 53.

\[ \frac{a}{q-r} + \frac{b}{r-p} - \frac{c}{p-q}, \text{find the value of } pa + qp + rc \text{ is} \]

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

Question 54. The average of a, b, c is 20 and that of b, c, d is 25; if d = 30, then the value of a is

Options:
1) 25
2) 45
3) 30
4) 15
Correct Answer: 15
Candidate Answer: 15

Question 55. A store sells a watch for a profit of 25% of the cost. Then the percentage of profit against selling price is

Options:
1) 22%
2) 20%
3) 18%
4) 15%
Correct Answer: 20%
Candidate Answer: 20%

Question 56. If A is equal to 20% of B and B is equal to 25% of C; then what percent of C is equal to A?

Options:
1) 10
2) 15
3) 5
4) 20
Correct Answer: 5
Candidate Answer: 5

Question 57. A gun is fired at a distance of 1.7 km from Ram and he hears the sound after 25 seconds. The speed of sound in meter per second is

Options:
1) 60
2) 62
3) 64
4) 68
Correct Answer: 68
Candidate Answer: 68

Question 58. A sum of Rs. 3000 yields an interest of Rs. 1080 at 12% per annum simple interest in how many years?

Options:
1) 60
2) 62
3) 64
4) 68
Correct Answer: 68
Candidate Answer: 68
Question 59.

The simplest value of \( \frac{1}{\sqrt{3-2\sqrt{2}}} + \frac{1}{\sqrt{3+2\sqrt{2}}} \) is

\[ \frac{3:18-2:12+\sqrt{3}}{\sqrt{3-2\sqrt{2}}+\sqrt{3+2\sqrt{2}}} \]  

Correct Answer: 3 Years

Candidate Answer: 3 Years

Question 60.

If \( (a + \frac{1}{a})^2 = 3 \), the value of \( a^3 + \frac{1}{a^3} \) is

\[ \frac{3}{\sqrt{3-2\sqrt{2}}} + \frac{3}{\sqrt{3+2\sqrt{2}}} \]

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

Candidate Answer: [ NOT ANSWERED ]

Question 61.

If \( \frac{a^2 + b^2}{c^2} = \frac{b^2 + c^2}{a^2} = \frac{c^2 + a^2}{b^2} = \frac{1}{k} \) \( k \neq 0 \) then \( k = \)

\[ \frac{a^2 + b^2}{c^2} = \frac{b^2 + c^2}{a^2} = \frac{c^2 + a^2}{b^2} = \frac{1}{k} \]

Correct Answer: 1

Candidate Answer: 1
Question 62. The area of the largest triangle that can be inscribed in a semicircle of radius 6 m is

Options:
1) 36 m²
2) 72 m²
3) 18 m²
4) 12 m²

Correct Answer: 36 m²
Candidate Answer: 18 m²

Question 63.

The value of \( \frac{\sin \theta}{1 + \cos \theta} + \frac{\sin \theta}{1 - \cos \theta} \) is

Options:
1) 2sinθ
2) 2cosθ
3) 2secθ
4) 2cosecθ

Correct Answer: 2cosecθ
Candidate Answer: 2cosecθ

Question 64.

Twenty women can do a work in sixteen days. Sixteen men can complete the same work in fifteen days. The ratio between the capacity of a man and a woman is

Options:
1) 3:4
2) 4:3
3) 5:3
4) 5:7

Correct Answer: 4:3
Candidate Answer: 3:4

Question 65.

If \( 2x + \frac{2}{9x} = 4 \), then the value of \( 27x^3 + \frac{1}{27x^3} \) is

Options:
1) 3
2) 4
3) 5
4) 7

Correct Answer: 3
Candidate Answer: 4

Visit www.qmaths.in for tons of free study materials and latest exam updates.
Options:
1) 180°
2) 198°
3) 234°
4) 252°
Correct Answer: 198°
Candidate Answer: [ NOT ANSWERED ]

Question 66. In a cyclic quadrilateral ABCD \( \angle BCD = 120° \) and passes through the centre of the circle. Then \( \angle ABD = ? \)

एक सिक्के चतुर्भुज ABCD में \( \angle BCD = 120° \) और AB कुंड के केन्द्र से होकर गुजरती है तो \( \angle ABD = ? \)

Options:
1) 30°
2) 40°
3) 50°
4) 60°
Correct Answer: 30°
Candidate Answer: 60°

Question 67. The midpoints of AB and AC of a triangle ABC are X and Y respectively. If BC+XY=12 units, then BC-XY is

एक बिंदु ABC के AB और AC के मध्य बिंदु X और Y हैं। यदि BC + XY = 12 यूनिट, तो BC - XY का मान क्या होगा?

Options:
1) 10 units
2) 8 units
3) 6 units
4) 4 units
Correct Answer: 4 units
Candidate Answer: 4 units

Question 68. In an isosceles \( \Delta ABC \), AD is the median to the unequal side meeting BC at D. DP is the angle bisector of \( \angle ADB \) and PQ is drawn parallel to BC meeting AC at Q. Then the measure of \( \angle PDQ \) is

यदि एक समद्विबाहु \( \Delta ABC \) में, AD, BC के D पर समद्विबाहु विभाजक का मध्यका है, DP, \( \angle ADB \) का कोण-दिक्षितक है और PQ, AC के Q पर समद्विबाहु BC के समांतर जींची जाती है तो \( \angle PDQ \) का मान क्या होगा?

Options:
1) 130°
2) 90°
3) 180°
4) 45°
Correct Answer: 90°
Candidate Answer: [ NOT ANSWERED ]

Question 69. 129 meter from the foot of a cliff on level of ground, the angle of elevation of the top of a cliff is 30°. The height of this cliff is

उसकी तल पर खड़ी चढ़ाई के पाद से 129 मीटर पर खड़ी चढ़ाई के शीर्ष का उफ्फतक कोण 30° है, तो उस चढ़ाई की ऊँचाई कितनी है?

Options:
1) 50\sqrt{3} metre
2) 45\sqrt{3} metre
3) 3\sqrt{3} metre
4) 27\sqrt{3} metre
Correct Answer: 43\sqrt{3} metre
Candidate Answer: 43\sqrt{3} metre
Question 70. The volume of metallic cylindrical pipe of uniform thickness is 748 c.c. Its length is 14 cm and its external radius is 9 cm. The thickness of the pipe is 1 cm. The volume of metal in the pipe is 748 c.c. Its length is 14 cm and its external radius is 9 cm. The thickness of the pipe is 1 cm.

Options: 1) 0.5 cm 2) 1.5 cm 3) 1 cm 4) 2 cm

Correct Answer: 1 cm

Candidate Answer: 1 cm

Question 71. If \( \tan \theta = \frac{2}{15} \), the value of \( \frac{\sqrt{1-\sin \theta}}{\sqrt{1+\sin \theta}} \) is

Options: 1) \( \frac{1}{3} \) 2) \( \frac{\sqrt{2}}{5} \) 3) \( \frac{\sqrt{3}}{3} \) 4) 0

Correct Answer: \( \frac{\sqrt{2}}{5} \)

Candidate Answer: \( \frac{\sqrt{2}}{5} \)

Question 72. The bar graph shows the production of table fans in a factory during one week. Study the bar graph and answer the question.

The maximum production exceeds the minimum production by:

Options: 1) 400 2) 420 3) 500 4) 540

Correct Answer: 420

Candidate Answer: 420
Question 73. The bar graph shows the production of table fans in a factory during one week. Study the bar graph and answer the question.

The average production of table fans in that week is

Options:
1) 370
2) 280
3) 300
4) 250
Correct Answer: 300
Candidate Answer: 250

Question 74. The bar graph shows the production of table fans in a factory during one week. Study the bar graph and answer the question.

Ratio of the total production of table fans in the factory from Monday to Wednesday to that from Thursday to Saturday is

Options:
1) 19:26
2) 26:19
3) 29:16
4) 16:29
Correct Answer: 29:16
Candidate Answer: 29:16
Question 75. The bar graph shows the production of table fans in a factory during one week. Study the bar graph and answer the question.

इस बार ग्राफ में जिस फैक्ट्री में एक सप्ताह के दौरान टेबल पंखों के उत्पादन को दर्शाया गया है। बार ग्राफ का अध्ययन कीजिए और निम्नलिखित प्रश्नों के उत्तर दिखिए।

![Bar Graph](image)

The average production of table fans on Monday & Tuesdays exceeds the average production of table fans during the week by

सोमवार और मंगलवार को टेबल पंखों का औसत उत्पादन उस सप्ताह के टेबल पंखों के औसत उत्पादन से कितना अधिक होता है?

**Options:**
1) 150 fans
2) 100 fans
3) 140 fans
4) 200 fans

**Correct Answer:** 100 fans

**Candidate Answer:** 150 fans

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.

**DECIMATED**

**Options:**
1) CAPTURED
2) DESTROYED
3) DAMAGED
4) WORRIED

**Correct Answer:** DESTROYED

**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.

**INVINCIBLE**

**Options:**
1) IMPREGNABLE
2) OMNIPRESENT
3) POWERLESS
4) POTENT

**Correct Answer:** POWERLESS

**Candidate Answer:** POWERLESS

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) Diarrhoea
2) Diarhea
3) Diarrhea
4) Diarrohea

**Correct Answer:** Diarrhoea

**Candidate Answer:** Diarhea

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.

It took her a long time(A)to get off (B)the death of her husband.(C)/No Error(D)

**Candidate Answer:** Diarheea
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.

It is best (A) to be silent (B) than to speak in anger. (C) No Error (D)

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

Correct Answer: A
Candidate Answer: A

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.

His father is disgusted (A) against him for his (B) addiction to drink. (C) No Error (D)

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

Correct Answer: B
Candidate Answer: A

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 aim of a Peace Council is _______ rather than cure.

Options:
1) salvation
2) preservation
3) maintenance
4) cultivation

Correct Answer: preservation
Candidate Answer: preservation

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 gives everyone _______ the class opportunities for practice.

Options:
1) at
2) in
3) of
4) on

Correct Answer: in
Candidate Answer: in

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.

Harish soon gained _______ in English.

Options:
1) provincialism
2) proficiency
3) efficiency
4) eminency

Correct Answer: proficiency
Candidate Answer: proficiency

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.

Beggar description

Options:
1) Cannot be described
2) Something described by a beggar
3) A poor account of something
4) A description of a beggar

Correct Answer: Cannot be described
Candidate Answer: Cannot be described
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.

Drag one's feet
**Options:**
1) Make something more complicated
2) Expedite
3) Be reluctant to act
4) Stop working
**Correct Answer:** Be reluctant to act
**Candidate Answer:** Make something more complicated

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.

Hope against hope
**Options:**
1) Think wishfully from time to time
2) Hoped with good reason
3) Nurture an impossible hope
4) Pretend to hope
**Correct Answer:** Nurture an impossible hope
**Candidate Answer:** Hoped with good reason

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.

Lack of skill
**Options:**
1) Inertness
2) Insistence
3) Ineptness
4) Insolence
**Correct Answer:** Ineptness
**Candidate Answer:** Insolence

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.

Stick with a thick end used in a mortar for pounding
**Options:**
1) Thistle
2) Stifle
3) Sceptre
4) Pestle
**Correct Answer:** Pestle
**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.

An act when people vote in order to make a decision about a particular subject or policy rather than voting for a person
**Options:**
1) Election
2) Exit-poll
3) By-election
4) Referendum
**Correct Answer:** Referendum
**Candidate Answer:** Referendum

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”.

Jane had told me that she hasn't done her homework.
**Options:**
1) told
2) tells
3) was telling
4) no improvement
**Correct Answer:** tells
**Candidate Answer:** told

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”.

This survey is concerning your health as well as that of your family.
**Options:**
1) concerns with
2) is concerned with
3) concerns to
4) no improvement
**Correct Answer:** is concerned with
**Candidate Answer:** concerns with
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".

A city that is set on a hill cannot be hidden.

Options:
1) be hid
2) hide
3) be hiding
4) no improvement

Correct Answer: no improvement
Candidate Answer: no improvement

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".

A black and white goat were grazing.

Options:
1) The white and the black goat
2) A black and a white goat
3) A black and a white goat
4) no improvement

Correct Answer: A black and a white goat
Candidate Answer: The white and the black goat

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".

I had took the papers to John's office.

Options:
1) will took the papers
2) taken the papers
3) took the papers
4) no improvement

Correct Answer: took the papers
Candidate Answer: took the papers

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.

"Tryst with Destiny" was a speech delivered by Jawaharlal Nehru, the first Prime Minister of independent India, to the Indian Constituent Assembly in Parliament, on 14th August 1947. It is considered to be one of the greatest speeches of all times and to be a landmark oration that captures the essence of the triumphant culmination of the largely non-violent Indian independence struggle against the British Empire in India.

"Long years ago we made a tryst with destiny, and now the time comes when we shall redeem our pledge, not wholly or in full measure, but very substantially. Freedom and power bring responsibility. The responsibility rests upon the assembly, a sovereign body representing the sovereign people of India. The service of India means the service of the millions who suffer. It means the ending of poverty and ignorance and disease and inequality of opportunity. We cannot encourage communalism or narrow-mindedness, for no nation can be great whose people are narrow in thought or in action.

To the people of India, whose representatives we are, this is no time for petty and destructive criticism, no time for ill will or blaming others. We have to build the noble mansion of free India where all her children may dwell".

To whom did Nehru deliver this famous speech?

Options:
1) Nehru delivered this speech to a massive Indian crowd in attendance.
2) Nehru delivered this speech to the members of the Constituent Assembly.
3) Nehru delivered this speech to the members of the Lok Sabha.
4) Nehru delivered this speech to the members of the Rajya Sabha.

Correct Answer: Nehru delivered this speech to the members of the Constituent Assembly.
Candidate Answer: Nehru delivered this speech to the members of the Constituent Assembly.

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.

"Tryst with Destiny" was a speech delivered by Jawaharlal Nehru, the first Prime Minister of independent India, to the Indian Constituent Assembly in Parliament, on 14th August 1947. It is considered to be one of the greatest speeches of all times and to be a landmark oration that captures the essence of the triumphant culmination of the largely non-violent Indian independence struggle against the British Empire in India.

"Long years ago we made a tryst with destiny, and now the time comes when we shall redeem our pledge, not wholly or in full measure, but very substantially. Freedom and power bring responsibility. The responsibility rests upon the assembly, a sovereign body representing the sovereign people of India. The service of India means the service of the millions who suffer. It means the ending of poverty and ignorance and disease and inequality of opportunity. We cannot encourage communalism or narrow-mindedness, for no nation can be great whose people are narrow in thought or in action.

To the people of India, whose representatives we are, this is no time for petty and destructive criticism, no time for ill will or blaming others. We have to build the noble mansion of free India where all her children may dwell".

Choose the answer which captures Nehru's belief.
"Tryst with Destiny" was a speech delivered by Jawaharlal Nehru, the first Prime Minister of independent India, to the Indian Constituent Assembly in Parliament, on 14th August 1947. It is considered to be one of the greatest speeches of all times and to be a landmark oration that captures the essence of the triumphant culmination of the largely non-violent Indian independence struggle against the British Empire in India.

"Long years ago we made a tryst with destiny, and now the time comes when we shall redeem our pledge, not wholly or in full measure, but very substantially. Freedom and power bring responsibility. The responsibility rests upon the assembly, a sovereign body representing the sovereign people of India. The service of India means the service of the millions who suffer. It means the ending of poverty and ignorance and disease and inequality of opportunity. We cannot encourage communalism or narrow-mindedness, for no nation can be great whose people are narrow in thought or in action.

To the people of India, whose representatives we are, this is no time for petty and destructive criticism, no time for ill will or blaming others. We have to build the noble mansion of free India where all her children may dwell”.

The most dominant voice in the speech is

Options:
1) the voice of optimism
2) the voice of surrender
3) the voice of negligence
4) the voice of weakness
Correct Answer: the voice of optimism

Candidate Answer: the voice of optimism