

STAFF SELECTION COMMISSION
COMBINED HIGHER SECONDARY LEVEL (TIER-I)
SOLVED PAPER

(9th March 2023: Shift-1)

Time Allotted- 1 hour

Max marks- 200

Important Instructions:-

- ⇒ This paper contains 100 questions which are divided into 4 sections and each section contains 25 questions.
 - ✓ English Language (Basic Knowledge)
 - ✓ General Intelligence
 - ✓ Quantitative Aptitude (Basic Arithmetic Skill)
 - ✓ General Awareness
- ⇒ There will be 2 marks for each correct answer and also there will be negative marking of 0.50 marks for each wrong answer.
- ⇒ Each question is compulsory to attempt and there will be no negative marking for unattempted questions.

English Language

1. Choose the word that means the same as the given word.

Magnanimity

1. Virulence 2. Invidiousness
3. Volatile 4. Altruism

2. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

Body and soul

1. Life and death 2. To solve a difficulty
3. Happiness and sorrow 4. Wholly and entirely

3. Choose the option that is the correct passive form of the sentence.

Ravi gave you the information?

1. Was the information given to you by Ravi?
2. Have the information been given to you?
3. Has the information given to you?
4. You have been given the information?

4. Choose the word that means the same as the given word.

Quandary

1. Impasse 2. Cinch 3. Clique 4. Breeze

5. Choose the sentence with no spelling error.

1. You remiend me of someone I knew once.
2. You reminde me of someone I knew once.
3. You remind me of someone I knew onse.
4. You remind me of someone I knew once.

6. Select the most appropriate 'one word' for the expression given below.

One who has persistent neurotic impulse to steal

1. Connoisseur 2. Kleptomaniac
3. Hypocrite 4. Iconoclast

7. Choose the word that is opposite in meaning to the given word.

Frustrate

1. Circumvent 2. Foster 3. Irk 4. Fetter

8. Choose the word that means the same as the given word.

Apologetic

1. Stagnant 2. Derisive 3. Solid 4. Contrite

9. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

The recent discoveries have risen hopes about possible applications.

1. have risen hopes 2. No error
3. The recent discoveries 4. about possible applications.

10. Fill in the blank with an appropriate option.

My feet don't _____ the ground for the rest of the day.

1. slab 2. touch 3. deal 4. purify

11. Select the most appropriate option to fill in the blank.

However, even after Independence in 1947, British expatriate firms did not suddenly _____ from India.

1. close 2. disallow
3. divest 4. consecrate

12. Rearrange the parts of the sentence in correct order.

P. versions of the European poor laws, charitable and

Q. in former colonies, such as Ghana, Jamaica, India and the

R. missionary activities, and the introduction of Western juvenile justice procedures

S. Philippines the basic welfare services grew out of modified

1. PRSQ 2. QSPR 3. QPRS 4. PSQR

13. Choose the word that can substitute the given group of words.

Study of heavenly bodies

1. Numerology 2. Astrology
3. Stargazing 4. Astronomy

14. Rearrange the parts of the sentence in correct order.

Climate change is

P. climate caused by natural forces in combination

Q. a broad topic that includes periodic alterations in Earth's

R. with the effects of various human activities like burning of

S. fossil fuels and changes in land cover and biodiversity

1. SRPQ 2. QPRS 3. PSQR 4. RSQP

15. Select the correct indirect form of the given sentence.

The sage said, "Man proposes and God disposes."

1. The sage said that man proposes and God disposes.
2. The sage said that man propose and God dispose.
3. The sage said that man proposed and God disposed.
4. The sage said that man had proposed and God had disposed.

16. Choose the word that can substitute the given group of words.

One who hates institution of marriage

1. Coquette 2. Pedantic
3. Polyglot 4. Misogamist

17. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

A man may die, nations may rise and fall, but an idea lived on.

1. lives in 2. live on
3. No improvement 4. lives on

18. Select the most appropriate meaning of the given idiom.
Slap on the wrist
1. Wild with excitement
 2. Misunderstand each other
 3. Criticize someone strongly and angrily
 4. A mild punishment
19. Identify the segment in the sentence which contains a grammatical error. If there is no error, then select the option "No error".
And it just recently awarded/a million-dollar contract/that reeks of corruption.
1. a million-dollar contract
 2. And it just recently awarded
 3. that reeks of corruption.
 4. No error
20. Choose the incorrectly spelt word.
1. Bloom
 2. Gloomy
 3. Shuot
 4. Broom

Comprehension:

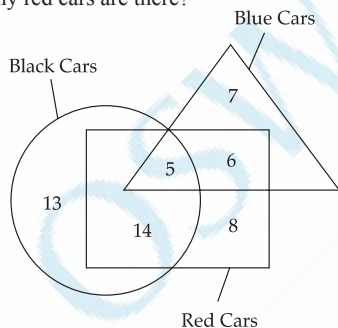
In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

Many fruits and vegetables change (1) _____ as they ripen. For example, tomatoes, strawberries, and red bell peppers all change from green to red. Colour is just one way along with size, texture, and smell that you can tell if a fruit or vegetable is (2) _____ to be harvested or eaten. Imagine a factory that (3) _____ strawberries into plastic containers to be (4) _____ to grocery stores across the country. It might be useful to have a machine that automatically (5) _____ any green strawberries that were picked before they were ripe. Or, you might want a machine on the farm that automatically recognizes strawberries by colour and only picks the red ones to begin with.

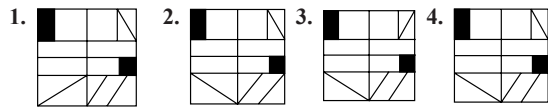
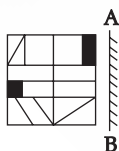
21. Select the most appropriate option to fill in blank number 1.
1. shape 2. clothes 3. colour 4. size
22. Select the most appropriate option to fill in blank number 2.
1. steady 2. trepid 3. sober 4. ready
23. Select the most appropriate option to fill in blank number 3.
1. packs 2. breaks 3. tapes 4. halts
24. Select the most appropriate option to fill in blank number 4.
1. managed of 2. shipped off
3. suited to 4. accounted to
25. Select the most appropriate option to fill in blank number 5.
1. sustains 2. detains 3. proceeds 4. rejects

General Intelligence

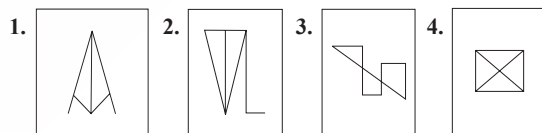
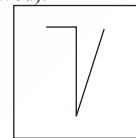
26. How many red cars are there?



1. 31
 2. 22
 3. 28
 4. 33
27. If a mirror is placed on the line AB, then out of the option figures which figure will be the right image of the question figure?



28. In the following question, four number pairs are given. In each pair the number on left side of (-) is related to the number of the right side of (-) with some Logic/Rule/Relation. Three pairs are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)
1. 3375 - 13500
 2. 2125 - 8600
 3. 2685 - 10740
 4. 1595 - 6380
29. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
LOG, FLH, ZII, TFI, NCK, ?
1. HYL
 2. HZM
 3. HZL
 4. HAL
30. In the following question, select the missing number from the given series.
129, 126, 123, 120, 117, ?
1. 113
 2. 114
 3. 112
 4. 115
31. Words given on the left side of (::) are related with each other by some Logic/Rule/Relation. Select the missing word/word pair on the right side of (::) from the given alternatives based on the same Logic/Rule/Relation.
Design : Architect :: ?
1. Editor : Newspaper
 2. Book : Poem
 3. Shoes : Poet
 4. Furniture : Carpenter
32. If $96 C 3 = 32$ and $288 C 8 = 36$, then $408 C 6 = ?$
1. 62
 2. 60
 3. 68
 4. 64
33. Arrange the given words in the sequence in which they occur in the dictionary.
1. Wage
 2. Waist
 3. Waste
 4. West
 5. Wave
1. 12354
 2. 42135
 3. 35241
 4. 24351
34. Select the option figure in which the given figure is embedded. (Rotation is NOT allowed).



35. In the following question, four number pairs are given. In each pair the number on left side of (-) is related to the number of the right side of (-) with some Logic/Rule/Relation. Three pairs are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)
1. 3333 - 6666
 2. 4444 - 8888
 3. 2222 - 4444
 4. 5555 - 7777

55. Angle subtended by a chord xy on the centre of a circle is 180 degree. If length of this chord is 36 cm, then what will be the radius of this circle?

1. 24 cm 2. 18 cm 3. 27 cm 4. 21 cm

56. What is the value of $\left(\frac{1+\sec^2 A}{1+\cos^2 A}\right)\left(\frac{1+\sin^2 A}{1+\operatorname{cosec}^2 A}\right)$?

1. $\cos^2 A$ 2. $\operatorname{cosec}^2 A$ 3. $\sec^2 A$ 4. $\tan^2 A$

57. What is the value of $\frac{\frac{5}{2} \div \frac{2}{5} \times \frac{1}{5} - \frac{1}{5} \div \frac{3}{5} \times \frac{5}{2}}{\frac{2}{5} \div \frac{1}{5} - \frac{1}{2} \times \frac{5}{2} \div \frac{25}{4} + \frac{1}{2} \div \frac{2}{5} \times \frac{1}{5}}$?

1. $\frac{31}{127}$ 2. $\frac{32}{127}$ 3. $\frac{28}{125}$ 4. $\frac{25}{123}$

58. Find the area of a triangle whose length of each side is 13 inches, 15 inches and 14 inches.

1. 84 square inches 2. 81.2 square inches
3. 42.1 square inches 4. 84.2 square inches

59. If 20 percent of P is added to 40 percent of Q , then the resultant comes as 80 percent of Q . P is what percentage of Q ?

1. 125 percent 2. 200 percent
3. 225 percent 4. 150 percent

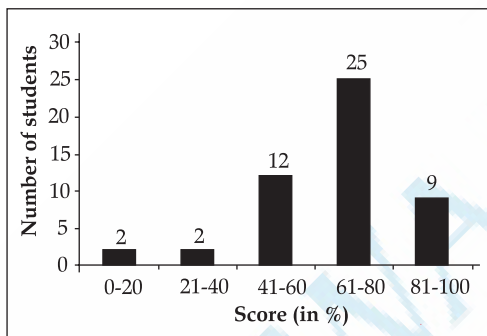
60. $\frac{2}{5}$ of marked price is equal to $\frac{5}{8}$ of selling price. What is the

discount percent?

1. 40 percent 2. 42 percent
3. 36 percent 4. 50 percent

61. The following histogram shows the score by the students of grade 10.

What percent of total student scored more than 60%?



1. 50% 2. 25% 3. 68% 4. 34%

62. Length of a chord is 30 cm in a circle whose radius is 7 cm. What will be the distance of this chord from the centre?

1. 12 cm 2. 9 cm 3. 15 cm 4. 8 cm

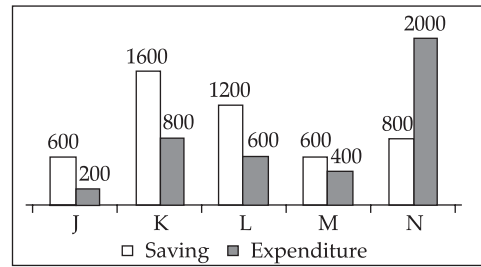
63. Tina alone can do a piece of work in 12 days and Meena alone can do the same work in 15 days. If Tina and Meena undertook to do this work for Rs. 18,000, then how much amount will Meena get, if they work together?

1. Rs.10,000 2. Rs.6,000 3. Rs.12,000 4. Rs.8,000

64. Radii of two circles are 12 cm and 5 cm. Distance between their centres is 25 cm. What is the length of the direct common tangent?

1. 21 cm 2. 24 cm 3. 22 cm 4. 23 cm

65. The bar graph given below shows the saving and expenditure of 5 companies J, K, L, M and N.



The average savings of all companies is what percent of the average expenditure of all companies?

1. 100 percent 2. 90 percent
3. 120 percent 4. 150 percent

66. The average age of 30 students is 15 years. It was observed that while calculating the average age, the age of a student was taken as 15 years instead of 9 years. What will be the correct average age?

1. 14.2 years 2. 16.4 years
3. 15.6 years 4. 14.8 years

67. A car travels a distance of 60 km at uniform speed. If the speed of car is increased by 8 km/hr, then it takes 2 hours less to cover the same distance. What is the original speed of the car?

1. 12 km/hr 2. 16 km/hr 3. 10 km/hr 4. 15 km/hr

68. A person sells wheat at a profit of 25 percent. If he reduces its selling price by Rs. 40, then he suffers a loss of 25 percent. What was the initial selling price of the wheat?

1. ₹ 80 2. ₹ 120 3. ₹ 60 4. ₹ 100

69. What is the value of $44 \times 12 - (25 + 13 \times 10)$?

1. 613 2. 633 3. 573 4. 373

70. If $\cot y = \frac{12}{5}$, then what is the value of $\cos^2 y$?

1. $\frac{72}{143}$ 2. $\frac{72}{91}$ 3. $\frac{144}{169}$ 4. $\frac{84}{143}$

71. If $\frac{p}{q} = \frac{r}{s} = \frac{t}{u} = \frac{2}{5}$, then what is the value of $(4p + 3r + 7t) : (4q + 3s + 7u)$?

1. 4 : 11 2. 3 : 7 3. 2 : 5 4. 5 : 9

72. The average of 32, 34, 38, 21, 26 and x is 30. What will be the value of x ?

1. 31 2. 29 3. 27 4. 28

73. The table given below shows the number of pens sold by two shopkeepers P and Q in 5 months.

Months	Shopkeepers	
	P	Q
A	100	10
B	80	20
C	40	120
D	30	60
E	10	50

J_1 = The value of average number of pens sold by P in all five months.

J_2 = The value of average number of pens sold by Q in all five months.

What is the value of (J_1/J_2) ?

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

74. What is the value of $\frac{1+x^2}{1-x} \div \frac{1-x^4}{x-1} \times \frac{x(1-x)}{(1+x)}$?

1. $\frac{-x}{1+2x^2}$ 2. $\frac{-x}{1+x}$
3. $\frac{-x}{(1+x)^2}$ 4. $\frac{-x}{1+x^2}$

75. What will be the compound interest on Rs. 14,000 for 2 years at the rate of 10% per annum compounded annually?
1. ₹ 1,490 2. ₹ 6,940 3. ₹ 3,490 4. ₹ 2,940

General Awareness

76. Warli Painting is the folk painting of _____ state of India.
1. Manipur 2. Mizoram
3. Karnataka 4. Maharashtra
77. Who is famously known as Bihar Kesari?
1. Rajendra Prasad 2. Shri Krishna Sinha
3. Karpuri Thakur 4. Lala Lajpat Rai
78. The value added of a firm is calculated as _____.
1. value of production of the firm – value of intermediate goods used by the firm
2. value of production of the firm + value of capital goods used by the firm
3. value of production of the firm/value of intermediate goods used by the firm
4. value of production of the firm + value of intermediate goods used by the firm
79. In which year was Raziyya removed from the throne of the Delhi Sultanate?
1. 1244 2. 1240 3. 1238 4. 1236
80. The Chief Minister of which state launched "Football for All" in the state to take the culture of football to the grassroots?
1. Jharkhand 2. Madhya Pradesh
3. West Bengal 4. Odisha
81. Who among the following won the Men's Singles Title of the US Open 2022?
1. Casper Ruud 2. Stefanos Tsitsipas
3. Rafael Nadal 4. Carlos Alcaraz
82. Which country will host the FIFA Women's World Cup 2023?
1. United States of America and Canada
2. Australia and New Zealand
3. Italy and France
4. Japan and China
83. The fifth edition of the Khelo India Youth Games will be held in _____ cities in Madhya Pradesh.
1. nine 2. seven 3. eight 4. six
84. Which of the following statements is NOT correct regarding mixtures?
1. Colloids are heterogeneous mixtures in which the particle size is large.
2. The major component of a solution is called the solvent.
3. The minor component of a solution is called the solute.
4. A solution is a homogeneous mixture of two or more substances.
85. Which of the following provisions of the Indian constitution is borrowed from the constitution of Canada?
1. Independence of judiciary
2. Concept of Republic
3. Advisory jurisdiction of the Supreme court
4. Concept of concurrent list
86. Who among the following discovered the neutrons?
1. J. Chadwick 2. E. Goldstein
3. Neils Bohr 4. Ernest Rutherford
87. Which of the following statement is correct regarding air pressure?
1. High pressure is associated with cloudy skies and wet weather.
2. Low pressure is associated with clear and sunny skies.
3. The air always moves from high pressure areas to low pressure areas.
4. The air pressure is lowest at sea level and increases with height.
88. Dhinodhar Hills is located in which Indian state/Union Territory?
1. Andaman and Nicobar Islands
2. Maharashtra
3. Gujarat
4. West Bengal
89. India's first 24 × 7 solar-powered village Modhera is located in which state?
1. Rajasthan 2. Gujarat
3. Madhya Pradesh 4. Himachal Pradesh
90. Carnatic music is confined to _____.
1. Karnataka, Maharashtra, Gujarat and Rajasthan
2. Uttar Pradesh, Bihar, West Bengal and Haryana
3. Gujarat, Maharashtra, Rajasthan and Haryana
4. Karnataka, Andhra Pradesh, Tamil Nadu and Kerala
91. Which among the following statements is incorrect?
1. Industrial Securities Market is also known as gilt-edged market.
2. The secondary market is the market for the sale and purchase of previously issued securities.
3. RBI plays a dominant role in the gilt-edged market through its 'Open Market Operations'.
4. The primary market is also known as new issue market.
92. Tropic of Cancer (23°30' N) passes through _____ state of India.
1. Punjab 2. Maharashtra
3. Chhattisgarh 4. Kerala
93. Which among the following films received the Filmfare award for the Best Film popular choice in 2022?
1. Ramprasad Ki Tehrvi 2. Rashmi Rocket
3. Shershaah 4. Sardar Udham
94. What is the average height of troposphere?
1. 13 km 2. 30 km 3. 6 km 4. 50 km
95. In which year Mahatma Gandhi organised a satyagraha in the Kheda district of Gujarat in the support of peasants?
1. 1916 2. 1920 3. 1919 4. 1918
96. A _____ is an electronic device that receives a weak signal and regenerates it.
1. hub 2. router 3. repeater 4. switch
97. The plants of which of the following plant kingdoms are known as algae?
1. Angiosperms 2. Pteridophyta
3. Bryophyta 4. Thallophyta
98. Which of the following shortcut is used in to close an open workbook in MS-Excel 365?
1. Ctrl + X 2. Ctrl + W 3. Ctrl + L 4. Ctrl + C
99. Which among the following cities won the India's cleanest city award for sixth time in a row in 2022?
1. Gurugram 2. Kolkata 3. Pune 4. Indore
100. Which article of the Indian constitution mentions that it is duty of the Union government to protect States against external aggression and internal disturbance?
1. 353 2. 356 3. 355 4. 358

Answer Key

1.	(4)	2.	(4)	3.	(1)	4.	(1)	5.	(4)	6.	(2)	7.	(2)	8.	(4)	9.	(1)	10.	(2)
11.	(3)	12.	(2)	13.	(4)	14.	(2)	15.	(1)	16.	(4)	17.	(4)	18.	(4)	19.	(4)	20.	(3)
21.	(3)	22.	(4)	23.	(1)	24.	(2)	25.	(4)	26.	(4)	27.	(4)	28.	(2)	29.	(3)	30.	(2)
31.	(4)	32.	(3)	33.	(1)	34.	(2)	35.	(4)	36.	(1)	37.	(1)	38.	(2)	39.	(4)	40.	(2)
41.	(4)	42.	(1)	43.	(1)	44.	(2)	45.	(4)	46.	(1)	47.	(3)	48.	(2)	49.	(3)	50.	(3)

51.	(3)	52.	(2)	53.	(1)	54.	(1)	55.	(2)	56.	(4)	57.	(4)	58.	(1)	59.	(2)	60.	(3)
61.	(3)	62.	(4)	63.	(4)	64.	(2)	65.	(3)	66.	(4)	67.	(1)	68.	(4)	69.	(4)	70.	(3)
71.	(3)	72.	(2)	73.	(1)	74.	(3)	75.	(4)	76.	(4)	77.	(2)	78.	(1)	79.	(2)	80.	(4)
81.	(4)	82.	(2)	83.	(3)	84.	(1)	85.	(3)	86.	(1)	87.	(3)	88.	(3)	89.	(2)	90.	(4)
91.	(1)	92.	(3)	93.	(3)	94.	(1)	95.	(4)	96.	(3)	97.	(4)	98.	(2)	99.	(4)	100.	(3)

Answers with Explanations

1. Option (4) is correct.

Magnanimity means the fact or condition of being magnanimous/generous.

e.g., The winner, in all magnanimity, praised his opponent for his stupendous performance.

Altruism is when we act to promote someone else's welfare, even at a risk or cost to ourselves. While virulence means extreme hostility; invidious implies a tendency to cause discontent, animosity, or envy. It is therefore, evident that altruism is the synonym of magnanimity.

2. Option (4) is correct.

The phrase Body and soul means 'involving every aspect of a person; completely.' So as to say 'wholly and entirely'. e.g., The band of boys worked with body and soul to make the programme a success.

3. Option (1) is correct.

In the sentence 'Did Ravi give you the information?' The object (you) will become the subject and still be an interrogative sentence, and the subject (Ravi) will become the object. So it will change to : Was the information given to you by Ravi? Option (3) is correct because the sentence in active voice uses the simple past tense, 'gave', hence it will retain the same tense 'was', instead of the perfect tense (as evinced in other options).

4. Option (1) is correct.

The word 'Quandary' connotes 'a state of perplexity or uncertainty over what to do in a difficult situation.' Impasse refers to 'a situation in which no progress is possible, especially because of disagreement'; 'Cinch' is 'an extremely easy task.' While 'Clique' is 'a small group of people who spend their time together and do not welcome other people into that'.

5. Option (4) is correct.

Sentence (1) and (2) have the incorrect spelling of 'remind', sentence (3) has the incorrect spelling of 'once'. Therefore, only option (4) correctly spells all the words.

6. Option (2) is correct.

One who has persistent neurotic impulse to steal is known as kleptomaniac; connoisseur is 'an expert judge in matters of taste'; hypocrite is a person who pretends to have virtues or qualities that he or she does not have. Iconoclast is a person who attacks or criticizes cherished beliefs or institutions.

7. Option (2) is correct.

Frustrate means to prevent (a plan or attempted action) from progressing, succeeding, or being fulfilled. Fetter means to restrain with chains; circumvent is to find a way around (an obstacle). Foster means to encourage the development of something desirable. Irk refers to getting annoyed.

8. Option (4) is correct.

Apologetic means remorseful/contrite/rueful. Option (1) and (3) can be eliminated easily, on the other hand 'derisive' means 'expressing contempt or ridicule'.

9. Option (1) is correct.

The part 'have risen hopes' has the error. This is so because, the verb 'rise/risen' means "to move to a higher level," "come or go up,". Moreover, 'risen/rise' is an intransitive verb, meaning it doesn't require a direct object. While 'raised' is

a transitive verb (requires a direct object) which means "to lift or move something upwards, to a higher position." In the given sentence, there is an object: 'hopes', so a transitive verb will be more appropriate. The correct sentence is: The recent discoveries have raised hopes about possible applications.

10. Option (2) is correct.

The sentence talks of a verb that fits the act of putting the feet on the ground; thus only option (2) 'touch' seems appropriate. Therefore, the correct sentence is : My feet don't touch the ground for the rest of the day.

11. Option (3) is correct.

If we look closely, most of the options can be eliminated as they seem to be technically inappropriate. 'Closed from India', 'disallowed from India' are incorrect as these words will not take 'from' after them. Consecrate means to officially make something holy and suitable to be used for religious ceremonies. Therefore, the correct sentence is : However, even after Independence in 1947, British expatriate firms did not suddenly divest from India.

12. Option (2) is correct.

The introductory statement will be Q- In former colonies, such as Ghana, Jamaica, India and the... The use of conjunction 'and' demands the mention of an additional country and hence 'the' will precede Philippines. This is so because Philippines, an island country of Southeast Asia in the western Pacific Ocean takes the definite article before it. The versions as mentioned in P can be referred as 'modified' (S). Thus, QSP is the convincing link. Thus, the correct pattern is QSPR.

13. Option (4) is correct.

The study of heavenly bodies is referred as Astronomy; Numerology is the study of mystical relationships between numbers, letters, and patterns. Astrology is the study of the movements and relative positions of celestial bodies interpreted as having an influence on human affairs and the natural world. Stargazing refers to the act of observing the stars.

14. Option (2) is correct.

Since the starting phrase is already mentioned, we need to find a proper definition. Climate change is not caused by natural forces in combination, but a topic that involves periodic alterations in Earth's climate caused by natural forces. This takes place in combination with the effects of various human activities. These activities are disclosed in S.

Thus, the correct pattern is QPRS.

15. Option (1) is correct.

The sage said, "Man proposes and God disposes" is the original sentence, since this is a general truth and a proverb, so the verbs cannot be changed into other forms, as seen in options (2), (3) and (4). Therefore, the correct statement is: The sage said that man proposes and God disposes. Option (2) has an error in subject-verb agreement.

16. Option (4) is correct.

One who hates the institution of marriage is called a misogynist. Coquette refers to a woman who tries without sincere affection to gain the attention and admiration of men. Pedantic means excessively concerned with minor details or rules; overscrupulous. Polyglot implies knowing or using several languages.

17. Option (4) is correct.

Since the given statement refers to a saying, a truth, it will take the simple present tense- A man may die, nations may rise and fall, but an idea lives on.

18. Option (4) is correct.

The idiomatic expression 'slap on the wrist' means a mild reprimand or punishment.

Example- The mother had to keep slapping Rishabh's wrist away from the cake or there will be nothing left for the party.

19. Option (4) is correct.

The sentence : And it just recently awarded a million-dollar contract that reeks of corruption is correct.

20. Option (3) is correct.

The word 'shout' has been wrongly spelt as 'shuot'.

21. Option (3) is correct.

The first blank will take 'colour', because the next sentence exemplifies the change in colour of certain vegetables, after they ripen. Like, tomatoes, strawberries, and red bell peppers all change from green to red. Moreover, the entire paragraph is about change in the colour of vegetables. The correct sentence is : Many fruits and vegetables change colour as they ripen.

22. Option (4) is correct.

The idea that colour, size, texture, and smell are indicators to decide if a fruit or vegetable is ready to be eaten is explained in the last statement - 'you might want a machine on the farm that automatically recognizes strawberries by colour and only picks the red ones to begin with.' The idea of fruit or vegetable being sober/steady/trepid to be harvested or eaten is ridiculous. Colour is just one way alongwith size, texture, and smell to tell if a fruit or vegetable is ready to be harvested or eaten. The correct sentence is : Many fruits and vegetables change colour as they ripen.

23. Option (1) is correct.

The concept of putting strawberries into plastic containers is equivalent to packing, not breaking, nor taping nor halting. The correct sentence is : Imagine a factory that packs strawberries into plastic containers...

24. Option (2) is correct.

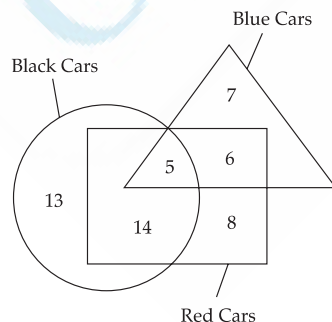
After packing strawberries into plastic containers, they are ready to be shipped off to grocery stores across the country. The idea of shipping off resonates with sending the items across the country.

25. Option (4) is correct.

As per the paragraph, the colour green in strawberries suggests unripen, not ready to be picked. Thus, a machine that detects this would automatically reject these fruits before they are shipped off to market. The correct sentence is: It might be useful to have a machine that automatically rejects any green strawberries that were picked before they were ripe. 'Detains' as a verb does not apply to objects, they are used in reference to human beings.

26. Option (4) is correct.

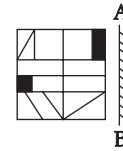
Explanation:



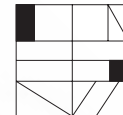
Logic: All the cars inside the square represent the red cars. Hence, the number of red cars = 5 + 6 + 8 + 14 = 33

27. Option (4) is correct.

Explanation:



Logic: In the mirror image, left becomes right and right becomes left. Hence,



28. Option (2) is correct.

Explanation:

3375 × 4 = 13500
2685 × 4 = 10740
1595 × 4 = 6380
But, 2125 × 4 = 8500 ≠ 8600

29. Option (3) is correct.

Explanation: Given that: LOG, FLH, ZII, TFI, NCK, ?

L	O	G
12	15	7
↓ -6	↓ -3	↓ +1
F	L	H
6	12	8
↓ -6	↓ -3	↓ +1
Z	I	I
26	9	9
↓ -6	↓ -3	↓ +1
T	F	J
20	6	10
↓ -6	↓ -3	↓ +1
N	C	K
14	3	11
↓ -6	↓ -3	↓ +1
H	Z	L
8	26	12

30. Option (2) is correct.

Explanation: Given that: 129, 126, 123, 120, 117, ?

Logic:
129 - 3 = 126
126 - 3 = 123
123 - 3 = 120
120 - 3 = 117
117 - 3 = 114

31. Option (4) is correct.

Explanation:

Logic: An architect is a person who designs buildings; similarly, a carpenter is a person who makes furniture.

32. Option (3) is correct.

Explanation: Given that: $96 \div 3 = 32$

Logic: $96 \div 3 = 32$

Similarly, $288 \div 8 = 36$

$288 \div 8 = 36$

Now, $408 \div 6 = ?$

$408 \div 6 = 68$

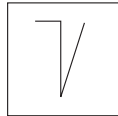
33. Option (1) is correct.

Explanation:

1. Wage	2. Waist	3. Waste	5. Wave	4. West
---------	----------	----------	---------	---------

34. Option (2) is correct.

Explanation:



Logic: The given figure is embedded in option 2 without rotation.



35. Option (4) is correct.

Explanation:

$3333 \times 2 = 6666$

$4444 \times 2 = 8888$

$2222 \times 2 = 4444$

$5555 \times 2 = 11110 \neq 7777$

36. Option (1) is correct.

Explanation:

Logic: Place value of first 4 letters from the starting of an alphabetical series and place value of the last 4 letters from the end of the alphabetical series.

TEFLOANS' is coded as '2056121226138'

T	E	F	L		O	A	N	S
20	5	6	12		12	26	13	8

Similarly,

'SERGEANT' is coded as '1951872226137'.

Hence,

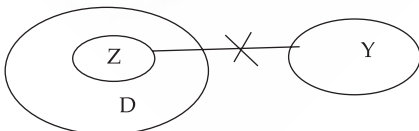
'UNIQUELY' can be coded as:

U	N	I	Q		U	E	L	Y
21	14	9	17		6	22	15	2

2114917622152

37. Option (1) is correct.

Explanation:



From the diagram, all conclusion follows.

38. Option (2) is correct.

Explanation: Given that: $47 + 13 \div 65 \times 5 - 16$

Logic: After interchanged \times and \div , we get

$47 + 13 \times 65 \div 5 - 16$

Using BODMAS

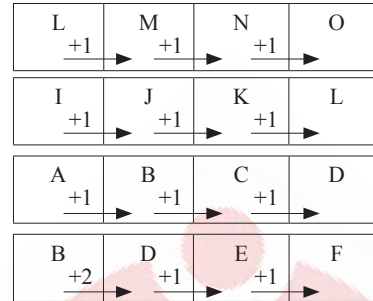
$47 + 13 \times 13 - 16$

$47 + 169 - 16 = 200$

39. Option (4) is correct.

Explanation:

Logic:



Hence, BDEF is the odd one out.

40. Option (2) is correct.

Explanation: Given that: $14 : 210 :: 13 : ? :: 16 : 272$

Logic:

$14 \times 15 = 210$

$13 \times 14 = 182$

$16 \times 17 = 272$

41. Option (4) is correct.

Explanation:

1	2
3	4
6	7
8	9

Total quadrilateral = $9 + (1, 2) + (3, 4) + (4, 5) + (3, 4, 5) + (6, 7) + (8, 9) + (5, 7) + (1, 2, 3, 4, 5) + (6, 7, 8, 9) + (3, 4, 6) + (3, 4, 5, 6, 7) + (3, 4, 5, 6, 7, 8, 9) + (1, 2, 3, 4, 5, 6, 7) + (1, 2, 3, 4, 5, 6, 7, 8, 9) = 23$

42. Option (1) is correct.

Explanation:

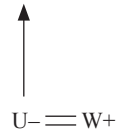
S is the sister of T.

R is the brother of S.

U is the wife of W. T is the father of U.

Logic: Male +, Female -

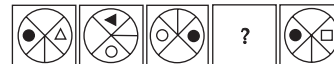
R+ ← S- ← T+



From the above diagram, T is the father-in-law of W.

43. Option (1) is correct.

Explanation:



Logic: Single vertical Line is rotated by 1 step anticlockwise. In the first figure, the circle is shaded and the triangle is blank; in the next figure, the circle is blank and the triangle is shaded, and this pattern continues. Hence,



44. Option (2) is correct.

Explanation: Given that: Tea : Cup :: ?

Logic: As, tea is served in a cup; similarly, food is served in a plate.

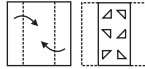
45. Option (4) is correct.

Explanation:

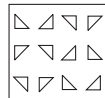
Logic: Banana, Apple and Grapes are fruits whereas Cauliflower is a vegetable.

46. Option (1) is correct.

Explanation:



Logic: Logic of symmetry will be followed here. Hence,



47. Option (3) is correct.

Explanation:

G	I	R	L
7	9	18	12

+5 +5 +5 +5

Q	W	N	L
17	23	14	12

Similarly,

K	E	P	T
11	5	16	20

+5 +5 +5 +5

Y	U	J	P
25	21	10	16

48. Option (2) is correct.

Explanation: As, the author uses pen to write; similarly, woodcutter uses axe to cut the wood.

49. Option (3) is correct.

Explanation:

Given that: (79, 89, 101)

(31, 41, 47)

Logic: Prime number with a gap of 10 prime number between the 2 numbers.

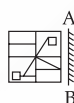
(79, 89, 101) ⇒ 79, 83, 89, 97, 101

(31, 41, 47) ⇒ 31, 37, 41, 43, 47

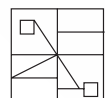
(29, 37, 43) ⇒ 29, 31, 37, 41, 43

50. Option (3) is correct.

Explanation:



Logic: In mirror image, left becomes right and right becomes left. Hence,



51. Option (3) is correct.

Given:

$$a + b + c = 0$$

$$\text{We know, } a^3 + b^3 + c^3 - 3abc = (a + b + c)(a^2 + b^2 + c^2 - ab - bc - ca)$$

$$\text{So, } a^3 + b^3 + c^3 - 3abc = (0)(a^2 + b^2 + c^2 - ab - bc - ca) = 0$$

52. Option (2) is correct.

Given that the radius of circle = 14 cm

Using, circumference of circle

$$= 2\pi r = 2 \times \frac{22}{7} \times 14 = 88 \text{ cm}$$

So, distance covered by wheel in 10 revolutions = $88 \times 10 = 880 \text{ cm}$

53. Option (1) is correct.

Given: $\sec \theta + \tan \theta = 5$

$$\text{We know, } \sec^2 \theta - \tan^2 \theta = 1$$

$$\Rightarrow (\sec \theta + \tan \theta)(\sec \theta - \tan \theta) = 1$$

$$\Rightarrow (5)(\sec \theta - \tan \theta) = 1$$

$$\Rightarrow (\sec \theta - \tan \theta) = \frac{1}{5}$$

54. Option (1) is correct.

As shown in pie-chart,

Total number of girls in school P and R

$$= \frac{17 + 31}{100} \times 3000 = 1440$$

55. Option (2) is correct.

We know that only diameter can make an angle of 180° on centre of the circle.

So, according to the question,

Diameter of the circle = 36 cm

$$\text{So, radius} = \frac{36}{2} = 18 \text{ cm}$$

56. Option (4) is correct.

$$\text{Value of } \left(\frac{1 + \sec^2 A}{1 + \cos^2 A} \right) \left(\frac{1 + \sin^2 A}{1 + \csc^2 A} \right)$$

$$= \left(\frac{1 + \frac{1}{\cos^2 A}}{1 + \cos^2 A} \right) \left(\frac{1 + \sin^2 A}{1 + \frac{1}{\sin^2 A}} \right)$$

$$= \frac{1}{\cos^2 A} \times \sin^2 A$$

$$= \tan^2 A$$

57. Option (4) is correct.

$$\text{Value of } \frac{\frac{5}{2} \div \frac{2}{5} \times \frac{1}{5} - \frac{1}{5} \div \frac{3}{5} \times \frac{5}{2}}{\frac{2}{5} \div \frac{1}{5} - \frac{1}{2} \times \frac{5}{2} \div \frac{25}{4} + \frac{1}{2} \div \frac{2}{5} \times \frac{1}{5}}$$

$$= \frac{\frac{5}{2} \times \frac{5}{2} \times \frac{1}{5} - \frac{1}{5} \times \frac{5}{3} \times \frac{5}{2}}{\frac{2}{5} \times \frac{5}{1} - \frac{1}{2} \times \frac{5}{2} \times \frac{4}{25} + \frac{1}{2} \times \frac{5}{2} \times \frac{1}{5}} = \frac{\frac{5}{4} - \frac{5}{6}}{2 - \frac{1}{5} + \frac{1}{4}}$$

$$= \frac{\frac{5}{12}}{\frac{41}{20}} = \frac{25}{123}$$

58. Option (1) is correct.

Given that the length of each side is 13 inches, 15 inches and 14 inches respectively.

Semi perimeter of triangle

$$= \frac{13+14+15}{2} = 21 \text{ inches}$$

So, the area of triangle

$$\begin{aligned} &= \sqrt{[s(s-a)(s-b)(s-c)]} \\ &= \sqrt{[21(21-13)(21-14)(21-15)]} \\ &= \sqrt{[21(8)(7)(6)]} \\ &= 84 \text{ square inches} \end{aligned}$$

59. Option (2) is correct.

According to the question,

$$P \times \frac{20}{100} + Q \times \frac{40}{100} = Q \times \frac{80}{100}$$

$$\Rightarrow P + 2Q = 4Q$$

$$\Rightarrow P = 2Q$$

$$\Rightarrow \frac{P}{Q} = \frac{2}{1}$$

$$\text{So, required percentage} = \frac{2}{1} \times 100 = 200\%$$

60. Option (3) is correct.

According to the question,

$$\Rightarrow \frac{2}{5} \times MP = \frac{5}{8} SP \Rightarrow \frac{MP}{SP} = \frac{25}{16}$$

$$\text{So, discount percentage} = \frac{25-16}{25} \times 100 = 36\%$$

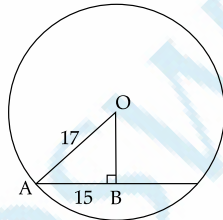
61. Option (3) is correct.

As shown in table,

$$\text{Total number of students} = 2 + 2 + 12 + 25 + 9 = 50$$

$$\text{Number of students who scored more than 60\%} = 34$$

$$\text{So, required percentage} = \frac{34}{50} \times 100 = 68\%$$

62. Option (4) is correct.

As shown in above diagram,

Using pythagoras in $\triangle AOB$,

$$OB^2 = OA^2 - AB^2 = 17^2 - 15^2 = 289 - 225$$

$$OB^2 = 64$$

$$\therefore OB = 8$$

\therefore distance of chord from centre = 8 cm

63. Option (4) is correct.

Given:

Teena can finish the work in = 12 days

Meena can finish the work in = 15 days

Ratio of time taken by them = 12 : 15 = 4 : 5

So, ratio of their efficiencies = 5 : 4

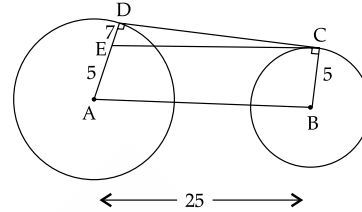
The amount which Meena will get

$$= \frac{4}{9} \times 18000 = ₹ 8000$$

64. Option (2) is correct.

As shown in above diagram,

$EC \parallel AB$ and $\angle EDC = 90^\circ$



In $\triangle EDC$, using pythagorus theorem,

$$EC^2 = ED^2 + DC^2$$

$$\Rightarrow 25^2 = 7^2 + DC^2$$

$$\Rightarrow DC^2 = 625 - 49$$

$$\Rightarrow DC^2 = 576$$

$$\Rightarrow DC = 24$$

So, length of direct common tangent = 24 cm.

65. Option (3) is correct.

According to the given bar graph,

Average saving of all the companies

$$= \frac{600 + 1600 + 1200 + 600 + 800}{5} = 960$$

Average expenditure of all the companies

$$= \frac{200 + 800 + 600 + 400 + 2000}{5} = 800$$

$$\text{Required percentage} = \frac{960}{800} \times 100 = 120\%$$

66. Option (4) is correct.

Given that,

The average age of 30 students = 15 years

So, total age of 30 students = $15 \times 30 = 450$ years

According to the question, new average

$$= \frac{450 - 15 + 9}{30} = 14.8 \text{ years}$$

67. Option (1) is correct.

Given:

Distance = 60 km

Let the initial speed of car = x km/h

So, new speed = $x + 8$ km/h

We have, time = $\frac{\text{distance}}{\text{speed}}$

According to the question,

$$\Rightarrow \frac{60}{x} - \frac{60}{x+8} = 2$$

$$\Rightarrow 30x + 240 - 30x = x^2 + 8x$$

$$\Rightarrow x^2 + 8x - 240 = 0$$

$$\Rightarrow (x-12)(x+20) = 0$$

$$\text{So, } x = 12, -20$$

So, the initial speed of car = 12 km/h

68. Option (4) is correct.

Let the cost price of wheat = ₹ x per kg

Then selling price of wheat = ₹ 1.25 x per kg

According to the question,

$$\Rightarrow 1.25x - 40 = .75x$$

$$\Rightarrow .50x = 40$$

$$\Rightarrow x = 80$$

So, the cost price of wheat = ₹ 80 per kg

And selling price of wheat = 1.25×80
= ₹ 100 per kg

69. Option (4) is correct.

$$\begin{aligned} \text{Value of } 44 \times 12 - (25 + 13 \times 10) &= 528 - (25 + 130) \\ &= 528 - (25 + 130) = 373 \end{aligned}$$

70. Option (3) is correct.

$$\text{Given: } \cot y = \frac{12}{5}$$

$$\text{We have, } \cot y = \frac{b}{p}$$

Using pythagoras theorem, $h^2 = p^2 + b^2$

$$\Rightarrow h^2 = 12^2 + 5^2$$

$$\Rightarrow h^2 = 144 + 25$$

$$\Rightarrow h^2 = 169$$

$$\Rightarrow h = 13$$

$$\text{So, } \cos^2 y = \left(\frac{12}{13}\right)^2 = \frac{144}{169}$$

71. Option (3) is correct.

$$\text{Given that } \frac{p}{q} = \frac{r}{s} = \frac{t}{u} = \frac{2}{5}$$

$$\text{So, } p = \frac{2}{5}q, r = \frac{2}{5}s, t = \frac{2}{5}u$$

$$\begin{aligned} \text{So, value of } \frac{4p+3r+7t}{4q+3s+7u} &= \frac{4 \times \frac{2}{5}q + 3 \times \frac{2}{5}s + 7 \times \frac{2}{5}u}{4q+3s+7u} \\ &= \frac{\frac{2}{5}(4q+3s+7u)}{4q+3s+7u} = \frac{2}{5} \end{aligned}$$

72. Option (2) is correct.

Given that the average of 32, 34, 38, 21, 26 and $x = 30$

$$\text{So, } \frac{32+34+38+21+26+x}{6} = 30$$

$$\Rightarrow 151 + x = 180$$

$$\Rightarrow x = 29$$

73. Option (1) is correct.

According to the question,

$$J_1 = \frac{100+80+40+30+10}{5} = 52$$

$$J_2 = \frac{10+20+120+60+50}{5} = 52$$

$$\text{So, } \frac{J_1}{J_2} = \frac{52}{52} = 1$$

74. Option (3) is correct.

Value of

$$\begin{aligned} \frac{1+x^2}{1-x} \div \frac{1-x^4}{x-1} \times \frac{x(1-x)}{1+x} &= \frac{1+x^2}{1-x} \times \frac{x-1}{1-x^4} \times \frac{x(1-x)}{1+x} \\ &= \frac{1+x^2}{1-x} \times \frac{x-1}{(1-x^2)(1+x^2)} \times \frac{x(1-x)}{1+x} \\ &= \frac{1+x^2}{1-x} \times \frac{x-1}{(1-x)(1+x)(1+x^2)} \times \frac{x(1-x)}{1+x} = -\frac{x}{(1+x)^2} \end{aligned}$$

75. Option (4) is correct.

Given:

Principal amount = ₹ 14000

Time = 2 years

Rate = 10% per annum

$$\text{Using, } A = P \left(1 + \frac{r}{100}\right)^n$$

$$A = 14000 \left(1 + \frac{10}{100}\right)^2$$

$$A = 14000 \times \frac{11}{10} \times \frac{11}{10} = 16940$$

So, the compound interest = $16940 - 14000 = ₹ 2940$

76. Option (4) is correct.

Warli painting is a type of tribal art that is predominantly done by tribal people from Maharashtra's North Sahyadri Range. This area includes the cities of Dahanu, Talasari, Jawhar, Palghar, Mokhada, and Vikramgad in the Palghar district. This tribal art was developed in Maharashtra which is still practised frequently. The Warli art tradition in Maharashtra is one of the best examples of folk art. The Warli tribe, located outside of Mumbai, is one of the largest in India. The Warli painting style was not known until the 1970s, despite the fact that the tribal style of art is considered to date back to the 10th century A.D.

77. Option (2) is correct.

Sri Krishna Sinha is referred as the Bihar Kesari. He was the first Chief Minister of Bihar in India. He served Bihar continuously from 1946 until his death on 31st January 1961. He served various prison sentences in British India for a total of around eight years. S.K. Sinha's mass assemblies drew large crowds to listen to him. When he rose to address the people, he was known as 'Bihar Kesari' because of his lion-like roar.

78. Option (1) is correct.

The value added of a firm is the difference between the total revenue generated by the firm and the cost of raw materials purchased from other firms as inputs. In other words, it is the amount of value that a firm has added to the production process through its own activities. The formula for calculating value added is as follows: Value Added = Total Revenue - Cost of Goods/Services Purchased from other Firms.

79. Option (2) is correct.

Raziyya, also known as Razia Sultana, was removed from the throne of the Delhi Sultanate in the year 1240 A.D. She ascended to the throne in 1236 A.D after the death of her father, Sultan Iltutmish, and ruled for about four years before being deposed by a group of nobles who were unhappy with having a woman as their ruler. Despite her short reign, Raziyya is remembered as one of the few women to have ever ruled the Delhi Sultanate and for her efforts to promote justice and good governance during her time in power.

80. Option (4) is correct.

Odisha Chief Minister Naveen Patnaik has started 'Football for All' in the state to promote football culture at the grassroots level. FIFA launched the program in Odisha in collaboration with the Kalinga Institute of Industrial Technology (KIIT) and the Kalinga Institute of Social Sciences. (KISS).

81. Option (4) is correct.

Carlos Alcaraz used his combination of moxie and maturity to beat Casper Ruud 6-4, 2-6, 7-6 (1), 6-3 in the U.S. Open final to earn his first Grand Slam title at age 19 and become the youngest man to be ranked No. 1. Alcaraz is a Spaniard who was appearing in his eighth major tournament and second

at Flushing Meadows but already has attracted plenty of attention as someone considered the Next Big Thing in men's tennis.

82. Option (2) is correct.

The "FIFA Women's World Cup 2023" will be co-hosted by Australia and New Zealand. FIFA announced its decision following a video conference vote by its governing council. Football Federation Australia and New Zealand Football's joint bid won 22 of the 35 valid votes cast by FIFA Council members, with the Colombian Football Association receiving 13 votes. Because of FIFA's decision, South America will have to wait another year to host its first Women's World Cup, which was originally held in 1991.

83. Option (3) is correct.

5th edition of the Khelo India Youth Games was inaugurated by Union Minister for Youth Affairs and Sports Shri Anurag Singh Thakur in Madhya Pradesh. Eight cities of Madhya Pradesh - Bhopal, Indore, Ujjain, Jabalpur, Gwalior, Mandla, Balaghat and Maheshwar and Delhi hosted various sports events of this Youth Games. This time Malkhamb is included in the Khelo India Youth Games.

84. Option (1) is correct.

The incorrect statement regarding mixtures is: Colloids are heterogeneous mixtures in which the particle size is large. This statement is not entirely accurate, as colloids are actually heterogeneous mixtures in which the particle size is intermediate between that of a solution and a suspension. In colloids, the particles are small enough to be suspended in a solvent and do not settle out, but they are still large enough to scatter light and cause the mixture to appear cloudy or opaque.

85. Option (3) is correct.

The Indian Constitution has borrowed various provisions from other countries' constitutions. The concept of the Supreme Court's advisory jurisdiction was taken from Canada, and the provisions for the residuary powers of the Centre and the advisory jurisdiction of the Supreme Court were also borrowed from the Canadian Constitution. The composition and jurisdiction of the Supreme Court of India are laid down in Articles 124 to 147 of the Constitution of India, and Article 143 confers advisory jurisdiction upon the Supreme Court.

86. Option (1) is correct.

Chadwick discovered the presence of neutrons in an atom's nucleus. Any chemical element's lowest unit is an atom. The atom is composed of electrons, protons, and neutrons. The electron has a negative charge, the proton has the same charge as an electron but a positive charge, and the neutron has no charge. The nucleus contains the protons and neutrons, while the electron circles around it.

87. Option (3) is correct.

Air flows from high-pressure regions towards low-pressure regions. As we move higher in the atmosphere, the air pressure drops rapidly, with the highest pressure experienced at sea level and decreasing with height. Regions with high temperatures experience warm air, which rises and creates an area of low pressure, leading to cloudy and wet weather. Conversely, colder regions experience heavy air that sinks, resulting in high-pressure areas, leading to clear and sunny skies.

88. Option (3) is correct.

Dhinodhar Hills is located in the state of Gujarat, India. Dhinodhar Hill is a volcanic plug rising above the local sandstone, and composed of relatively fresh, very fine-grained, black to dark grey, largely aphyric (largely without phenocrysts), aphanitic rock, rising to an elevation of 386 meters, it shows several near-vertical, dike-like tabular intrusions with well-developed columnar jointing, and a roughly circular ring breached to the east, enclosing a pronounced crater-like central depression. Dhinodhar is not a vent in and of itself, but rather the eroded remains of a subvolcanic intrusion that occurred during the Deccan Traps.

89. Option (2) is correct.

Modhera hamlet in poll-bound Gujarat has been designated as the country's first 24×7 solar-powered community by Prime Minister Narendra Modi. Modhera noted for its centuries-old Sun Temple established during the Chalukya dynasty, will also be known as a "solar-powered village."

90. Option (4) is correct.

Carnatic music is a type of Indian classical music. It is exclusive to southern India, specifically the states of Andhra Pradesh, Karnataka, Tamil Nadu, and Kerala, while the remainder of the country's classical music is known as Hindustani. The vocals are the main focus of Carnatic music. The music is composed in the conventional octave form, and it is Kriti-based, with an emphasis on the Sahithya or lyric aspect of the musical composition.

91. Option (1) is correct.

The statement "Industrial Securities Market is also known as gilt-edged market" is incorrect. The gilt-edged market refers specifically to the market for government securities, while the industrial securities market refers to the market for securities issued by industrial companies. The gilt-edged market is also known as the Industrial Securities Market. It is a market for trading in government and semi-government securities. The primary market is also known as the new issue market, where new securities are issued to the public for the first time. The secondary market, on the other hand, is where previously issued securities are bought and sold. The Reserve Bank of India (RBI) plays a dominant role in the gilt-edged market through its 'Open Market Operations.'

92. Option (3) is correct.

The tropic of cancer $23^{\circ}30'$ N passes through Chhattisgarh. The tropic of cancer is located at approximately $23^{\circ}27'$ N of the terrestrial equator. The tropic of cancer spans 17 nations (including Taiwan). The only latitude pass across India is the cancer tropic. The Tropic of Cancer passes through eight states in India. These states are Gujarat, Rajasthan, Madhya Pradesh, Chhattisgarh, Jharkhand, West Bengal, Tripura, and Mizoram.

93. Option (3) is correct.

At the 67th Filmfare Awards held in 2022, Shoojit Sircar's movie 'Sardar Udham' won the best film award in the critic's category, while Vishnuvardhan's 'Shershaah' won the best film award in the popular category. 'Sardar Udham' won a total of nine awards at the event, while 'Shershaah' won seven awards, including the Best Film award.

94. Option (1) is correct.

The troposphere is the layer closest to the Earth's surface. The average height of the troposphere is around 7 to 20 km (4 to 12 miles) above the Earth's surface, depending on the location and season. According to the question, the answer is 13 km. The stratosphere is the second layer and extends around 50 km above the earth's surface. The stratosphere is densely packed with "ozone." The "mesosphere" is the zone above the stratosphere that begins at 50 km and extends to 85 km in height. The thermosphere has a radius of around 90 km to 500 km. The air density in this layer is quite low. The exosphere is the uppermost layer, located above 500 km. It is made up of scattered hydrogen and helium particles.

95. Option (4) is correct.

The Kheda Satyagraha of 1918 was a Satyagraha movement organized by Mohandas Gandhi in the Kheda area of Gujarat, India, under the British Raj. Due to agricultural failure and a plague epidemic, the people of Kheda were unable to pay the British's hefty taxes. It was a significant uprising in the Indian independence movement. After the Champaran Satyagraha and the Ahmedabad mill strike, it was the third Satyagraha movement. Gandhi organized this initiative to aid Kheda district peasants.

96. Option (3) is correct.

A repeater is an electronic device that receives a weak or low-level signal and retransmits it at a higher level or power so that the signal can cover longer distances without degradation. Repeater devices are often used in communication systems to boost signal strength and improve the quality of the transmitted signal. They are commonly used in wireless networks, radio communication systems, and other telecommunications applications.

97. Option (4) is correct.

Thallophyta is an obsolete taxonomic group that includes various types of algae, fungi, and bacteria that lack differentiated tissues or organs. It was once classified as a division of the plant kingdom, but the classification is no longer in use due to the discovery of more complex plant groups. Thallophytes are characterized by their simple body structure, lack of specialized organs, and predominantly aquatic lifestyle. Examples of thallophytes include seaweeds, slime moulds, and certain types of bacteria and fungi.

98. Option (2) is correct.

In MS Excel 365, pressing the Ctrl + W keyboard shortcut is used to close an open workbook. This shortcut closes the

active workbook window, and if there is only one workbook open, it closes the Excel application as well.

99. Option (4) is correct.

Indore has once again been declared the cleanest city in India for the sixth consecutive time as the Central government's yearly cleanliness survey 'Swachh Survekshan Awards 2022' announced its results. In the best-performing states category, Madhya Pradesh secured the top position, followed by Chhattisgarh and Maharashtra.

100. Option (3) is correct.

Article 355 of the Indian Constitution mentions that it is the duty of the Union government to protect States against external aggression and internal disturbance. Article 355 of the Indian Constitution mentions that it is the duty of the Union Government to protect every State against external aggression and internal disturbance. The Union Government has the responsibility to ensure that the government of every State is carried out in accordance with the provisions of the Constitution. This article empowers the Union Government to take suitable measures in case of any external aggression or internal disturbance and to ensure that the government of the State continues to function smoothly.



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