



Date : 5th Dec 2023

Weekly SSC Mock Test

English

Q:1 What is the radius of a circle in which a square of the maximum area can be drawn such that the perimeter of the square is 44cm?

1. 7.5 cm
2. 7.77 cm
3. 7.86 cm
4. 6.99 cm

Q:2 What is the fourth proportional of 16, 32, and 40?

1. 72
2. 48
3. 160
4. 80

Q:3 A trader allowed a discount of 16.67% on the marked price and still got a profit of 25% at what percent above the cost price the article was marked?

1. 35%
2. 40%
3. 50%
4. None of these

Q:4 In a hotel, there is a fixed cost and a variable cost which depends on the number of days of stay. Aman who stayed in the hotel for 7 days paid Rs. 4500 as the total amount. Bhairavi who stayed in the same hotel for 3 days paid a total of Rs. 2700. What is the cost of Chandan who stayed in the hotel for 10 days?

1. Rs. 6250
2. Rs. 5750
3. Rs. 4950
4. Rs. 5850

Q:5 Fill in the blanks.

2000 \$ invested at 15% for the next 3 years amounted to _____ at the simple rate of interest.

1. 2900 \$
2. 2668 \$
3. 3200 \$
4. 900 \$

Q:6 Write the given numbers in ascending order.

$5/3$, $14/9$, $1\frac{14}{17}$, 170%

1. $1\frac{14}{17} > 170\% > 14/9 > 5/3$

2. $1\frac{14}{17} > 5/3 > 14/9 > 170\%$

3. $1\frac{14}{17} > 170\% > 5/3 > 14/9$

4. $5/3 > 1\frac{14}{17} > 14/9 > 170\%$

Q:7 If the ratio of efficiency of a man to a woman is 5 : 3 and the ratio of efficiency of a woman to a child is 4 : 3. If the net efficiency of a child is 100 units/day then what is the efficiency of 18 men?

1. 200 units/day
2. 4,000 units/day
3. 3500 units/day
4. 350 units//day

Q:8 Ajay invested Rs.2000 and Ramesh invested some rupees with Ajay. If at the end of the year, Ramesh gets Rs.300 out of the total profit of Rs.420, then what is the amount invested by Ramesh? (in rupees)

1. 5000
2. 7000
3. 500
4. 6500

Q:9 Vipulanish went to buy 4 varieties of sweets (Soan Papdi, Gulabjamun, Kaju Katli, and Rasgulla) for his family. The number of people who like Soan Papdi is twice as compared to those who like Gulabjamun, which in turn is three times the number of people who like Kaju Katli. If the total number of members in the family is 19 and everyone likes exactly one sweet, from four of the sweets then what is the number of people who like Rasgullas?

1. 5
2. 4
3. 9
4. Cannot be determined

Q:10 The perimeter of a rectangle is 28 cm. If the length is $5/2$ times its breadth, find the length and breadth of the rectangle (in cm).

1. 9 and 5
2. 10 and 4

3. 6 and 7

4. 11 and 3

Q:11 What is the product of factors of 175?

1. $5^9 \times 7^3$

2. $5^6 \times 7^3$

3. $5^3 \times 7^6$

4. $5^5 \times 7^9$

Q:12 A shopkeeper had tough times due to the pandemic so he made a new provision to mark up the prices of all the products by 25%. He uses a weight of 850 g instead of 1 kg. What is the cost price of an article that he sold at Rs. 2940? (approx.)

1. Rs. 4318

2. Rs. 2000

3. Rs. 2200

4. Rs. 3845

Q:13 Sameer can build a wall in 12 days while working alone and Kusum can demolish twice the length of the original wall in 30 days. How many days it would take to build the wall if Sameer and Kusum started working on alternate days?

1. 120

2. 111

3. 119

4. 110

Q:14 In a race between P and Q where the ratio of the speed is 5 : 2. If P can beat Q by 90 m then what is the length of the track?

1. 150 m

2. 100 m

3. 300 m

4. 250 m

Q:15 The ratio of age of father and son is 5 : 3. After 10 years the ratio of ages becomes 7 : 5. What is the present age of the son?

1. 15 years

2. 20 years

3. 12 years

4. 25 years

Q:16 The length of the rectangle increased by 20% and the length of the breadth increased by 10%

then what is the percentage increase in the area of the rectangle?

1. 28

2. 18

3. 32

4. 30

Q:17 What is the remainder when $[(1931)^{221}]^{428}$ is divided by 1932?

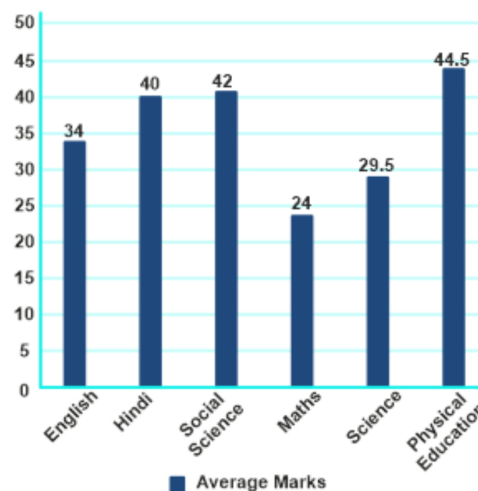
1. 0

2. 1

3. 1930

4. 1929

Directions (Q:18 - 21) : Given bar graph gives the average marks of 30 students in class 10th of school ABC in six subjects. Each subject is worth 50 marks. Based on this information, answer the questions given below.



Q:18 If a student gets marks equal to the average marks of 30 students in every subject, his percentage score is?

1. 74.67%

2. 78.33%

3. 71.33%

4. 68.67%

Q:19 In Maths, out of all available students, one scored 50, two of them scored 49, and three got 0 in the test. Find the average score of remaining students in Maths.

1. 21.5



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2. 22.33
3. 23.83
4. 24.2

Q:20 In Physical Education subject the average of the top 10 is 49.5. The average of the other 20 students is?

1. 42
2. 42.25
3. 42.5
4. 42.75

Q:21 Average marks scored in English is what percent of average marks scored in Hindi?

1. 88
2. 87.5
3. 85
4. 84

Q:22 The area of a regular polygon is 108 square meters and the length from the center to its vertices is 6 meters. Find the number of sides of the polygon.

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

Q:23 The angle made by the minor arc at the center of a circle is 120° . If the radius of the circle is 21 cm, then find the area of the major sector.

1. 924 cm^2
2. 288 cm^2
3. 840 cm^2
4. 1240 cm^2

Q:24 If $\sin x = 0.8$ then, find the value of $[(\tan x/2) + 5(\tan 45^\circ) - 2(1/\cos x) - 2(\cos x/2)]$.

1. 1.414
2. 1.733
3. 5.662
4. 0.985

Q:25 There are two temples, one on each bank of a river, just opposite each other. One temple is 54 meters high. From the top of this temple, the angle of depression of the top and the foot of the other temple is 30° and 60° respectively. Find the width

of the river and the height of the other temple.

1. 40 m and 8 m respectively
2. 25.25 m and 12 m respectively
3. 35.24 m and 25 m respectively
4. 31.176 m and 18 m respectively

Q:26 In a certain code language, 'Privacy Social Media' is coded as 'yo vo na', 'Review account Privacy' is written as 'yo ha la', 'Media law account' is coded as 'la vo sa', Then code 'ha' used for which of the following word in the given coded language?

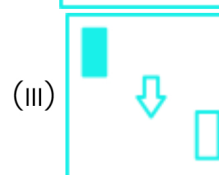
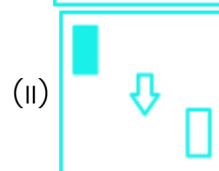
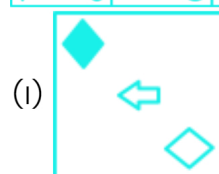
1. Privacy
2. Media
3. Social
4. Review

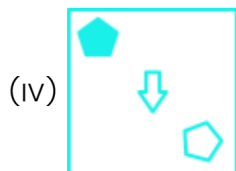
Q:27 A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series:

2050, 820, 328, 131.2, ?, 20.992

1. 72.50
2. 64.48
3. 52.48
4. 58.52

Q:28 Select the figure from the given options that can replace the question mark (?) in the following series.





1. I
2. II
3. III
4. IV

Q:29 If 'X1Y' means 'X is the mother of Y', 'X2Y' means 'X is the husband of Y', 'X3Y' means 'X is the sister of Y', 'X4Y' means 'X is the son of Y'. If the expression 'C 1 F 2 L 3 K 4 D', is true then how is F related to D (if D is male)?

1. Son
2. Daughter
3. Son-in-law
4. Grandson

Q:30 Four numbers are given, which of them three are alike in a certain manner and one is different. Choose a different number.

1. 539
2. 647
3. 485
4. 709

Q:31 Find the odd one out.

1. VLA
2. UJB
3. RBG
4. LCG

Q:32 Select the set in which the numbers are related in the same way as the numbers of the following set.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits.)

- (3, 8, 73)
(5, 9, 106)
1. (7, 12, 193)
2. (6, 9, 115)
3. (5, 7, 70)
4. (11, 14, 310)

Q:33 Find the mirror image of the figure given below when a mirror is placed to the right of the figure:



1.



2.



3.



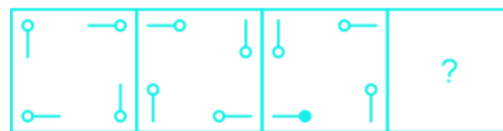
4.



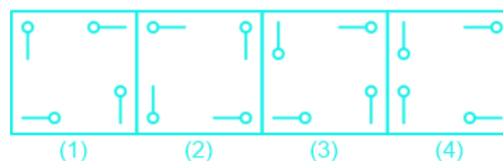
1. 1
2. 2
3. 3
4. 4

Q:34 Choose the image that will come next in the given series.

Problem Figures:



Answer Figures:



1. 1



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2. 2
3. 3
4. 4

Q:35 If '+' means '-', '-' means 'x', 'x' means '÷', and '÷' means '+', then what will be the value of the following expression?

$$30 - 6 + 20 \times 10 \div 10 = ?$$

1. 185
2. 188
3. 192
4. 200

Q:36 Select the set in which the numbers are related in the same way as the numbers of the following set.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits.)

- (4, 6, 96)
- (5, 3, 75)
1. (2, 9, 32)
2. (6, 7, 252)
3. (8, 3, 190)
4. (7, 3, 145)

Q:37 Select the option that is related to the fifth element in the same way as the second element is related to the first element and the fourth element cluster is related to the third element.

$$25 : 576 :: 32 : 961 :: 47 :: ?$$

1. 2048
2. 2116
3. 1331
4. 1728

Q:38 Directions: In each of the questions below are given three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts. Give Answer

- A. Only Conclusion I follows
- B. Only Conclusion II follows
- C. Either Conclusion I or Conclusion II follows

D. Both Conclusions I and II follow

Statements:

All ruby are opal

All opal are diamond.

No opal is emerald.

Conclusions:

I. Some emerald are ruby.

II. No emerald is ruby.

1. A
2. B
3. C
4. D

Q:39 Select the option that is related to the third-letter cluster in the same way as the second-letter cluster is related to the first-letter cluster and the sixth-letter cluster is related to the fifth-letter cluster.

YOUR : CSYV :: MINE : ? :: OURS : SYVW

1. QMRI
2. DGJM
3. NJOF
4. LHMD

Q:40 Which of the following interchanges signs would make the given equation correct?

$$41 - 7 \times 6 \div 3 + 28 = 27$$

1. +, -
2. x, ÷
3. +, x
4. -, ÷

Q:41 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

5	8	7
6	4	4
1	2	6
11	13	?

1. 16
2. 23
3. 45
4. 18

Q:42 Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation.

$$12 * 6 * 18 * 4 * 9 * 14$$

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English

1. $\times, +, -, \div, =$
2. $\div, +, \times, -, =$
3. $+, =, -, \times, \div$
4. $-, +, \times, \div, =$

Q:43 If in a certain code language, 'GROOM' is written as '84', 'BRIDE' is written as '27'. Then, how is the word 'GATHER' written in the same code language?

1. 52
2. 69
3. 62
4. 78

Q:44 Find the wrong number in the series.

1!Q₂, 1*W₂, 1&R₂, 1%V₂, 1\$S₂, 1#T₂

1. 1&R₂
2. 1\$S₂
3. 1#T₂
4. 1*W₂

Q:45 Which of the following sequence represents the correct dictionary order of the following words?

1. Proudly
2. Pronoun
3. Produce
4. Property
5. Promise
1. 1, 5, 2, 4, 3
2. 3, 5, 4, 1, 2
3. 3, 5, 2, 4, 1
4. 3, 1, 2, 4, 5

Q:46 Complete the given series.

BOOK, ABIDE, ADOBE, ?

1. BACKBONE
2. ACTION
3. AFFILIABLE
4. KNOWLEDGE

Q:47 Select the option that is related to the third word in the same way as the second word is related to the first word.

Wrench : Fastening :: Tenon saw : ?

1. Sharpen
2. Hook

3. Cutting

4. Stitch

Q:48 Directions: In each of the questions below are given three statements followed by three Conclusions numbered I, II, and III. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the Conclusions and then decide which of the given Conclusions logically follows from the given statements disregarding commonly known facts.

Statements:

All Mars are Earth.

Some Earth are Moon.

Some Star are Moon.

Conclusions:

I. Some Star are Earth.

II. Some Moon are Mars.

III. All Earth being star is a possibility

1. Only I follows
2. Only II follows
3. Only I and III follow
4. Only III follows

Q:49 Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Charminar : Hyderabad :: Victoria Memorial : ?

1. Delhi
2. Jaipur
3. Kolkata
4. Mumbai

Q:50 If 'A+B' means 'A is the mother of B',

'A-B' means 'A is the father of B',

'A*B' means 'A is the wife of B',

'A%B' means 'A is the daughter of B'.

Then which of the following expression shows P is the grandmother of T?

1. $P - T + S * R$
2. $P + R - T \% S$
3. $P - R * T \% S$
4. None of these



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English

Q:51 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No Improvement'.

Led by a team of scientists of Indian-origin, NASA's Curiosity rover has find new evidence of water on Mars.

1. finds new evidence of water at
2. found new evidence of water on
3. No Improvement
4. finding new evidence of water upon

Q:52 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No Improvement'.

Supplying food to schools under mid-day meal scheme, pre-schools and anganwadis is exempt by GST.

1. are exempt of
2. is exempt from
3. No Improvement
4. is exempt off

Q:53 Fill in the blank with the most appropriate word.

Common sense and _____ are some of the intangibles we're looking for in an employee.

1. ingenuity
2. individuality
3. creativity
4. originality

Q:54 Fill in the blank with the most appropriate word.

My keys were here a minute ago but now they've _____.

1. appeared
2. vanished
3. escaped
4. lessened

Q:55 Select the correct passive form of the given sentence.

Did he buy a new bike?

1. Was a new bike bought by him?
2. Were a new bike bought by him?
3. Was a new bike being bought by him?

4. Had a new bike been bought by him?

Q:56 Select the correct indirect form of the given sentence.

The driver said to the passenger, 'Where will you go?'

1. The driver asked the passenger where he will go.
2. The driver asked the passenger where would he go.
3. The driver asked the passenger where he would go.
4. The driver asked to the passenger where he would go.

Q:57 Select the most appropriate meaning of the given idiom.

To blow one's own trumpet

1. To play on one's own trumpet
2. To praise one's own self
3. To create noisy disturbances
4. To have a high-pitched voice

Q:58 Select the most appropriate meaning of the given idiom.

To face the music

1. Between two dangers
2. Confess – especially when a person has done a wrong thing
3. To abuse
4. To bear the consequences

Q:59 Select the CORRECTLY spelt word.

1. Acceptance
2. Aecessibility
3. Accesible
4. Accessary

Q:60 Select the INCORRECTLY spelt word.

1. Abundant
2. Accalerate
3. Accent
4. Accentuate

Q:61 Select the most appropriate SYNONYM of the given word.

HARDENED

1. Brisk



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English

2. Obdurate
3. Cordial
4. Unintelligible

Q:62 Select the most appropriate synonym of the bold word in the sentence.

She told everyone she was a judge, but she was just a **fake**.

1. Countermand
2. Counterfeit
3. Facile
4. Erring

Q:63 Select the most appropriate ANTONYM of the given word.

FACILITATE

1. Impede
2. Frisk
3. Expedite
4. Vanish

Q:64 Select the most appropriate antonym of the bold word in the sentence.

It was a **facile** victory for them.

1. Effortless
2. Strenuous
3. Deceptive
4. Baleful

Q:65 Select the word which means the same as the group of words given.

A place where money is coined

1. Mint
2. Utopia
3. Casino
4. Armoury

Q:66 Select the word which means the same as the group of words given.

One who has no money

1. Sink
2. Pauper
3. Flounder
4. Founder

Direction(Q:67 - 71): In the following passage, some words have been deleted. Fill in the blanks

with the help of the alternatives given. Select the most appropriate option for each number.

Iceland is a land of water, mountains, frozen landscapes and never-ending ____ (1) _____. It's also home ____ (2) ____ a vast range of arctic wildlife ____ (3) ____ the rare and beautiful humpback whale. One company has been working to deliver a new kind of Icelandic ____ (4) ____: swimming with humpback whales in northern seas when the sun is ____ (5) ____ at midnight.

Select the most appropriate option to fill in the blank number (1).

1. outlook
2. setting
3. scenery
4. decor

Q:68 Select the most appropriate option to fill in the blank number (2).

1. to
2. of
3. along
4. for

Q:69 Select the most appropriate option to fill in the blank number (3).

1. includes
2. included
3. include
4. including

Q:70 Select the most appropriate option to fill in the blank number (4).

1. project
2. expedition
3. safari
4. mission

Q:71 Select the most appropriate option to fill in the blank number (5).

1. along
2. out
3. above
4. beside

Q:72 Given below are four jumbled sentences. Select the option that gives their correct order.



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A: Each social media platform offers many different ways to be used in the classroom, from sharing announcements to holding live lectures, and so much more.

B: The use of these technologies in the classroom is more natural than before, given how acclimated many students are to them.

C: First, social media provides a smoother, more direct communication tool between students, teachers and parents, who can check in and ask or respond to questions.

D: Social media and technology are integral parts of daily life.

1. DBAC
2. BDCA
3. DCBA
4. BADC

Q:73 Given below are four jumbled sentences. Select the option that gives their correct order.

A: Located on the banks of the Tungabhadra River, it spread over a large area and included the modern era Group of Monuments at Hampi site.

B: Vijayanagara was the capital city of the historic Vijayanagara Empire.

C: Vijayanagara is in the eastern part of central Karnataka, close to the Andhra Pradesh border.

D: A part of Vijayanagara ruins known as Hampi have been designated as a UNESCO world heritage site.

1. BCDA
2. DCBA
3. BADC
4. DBAC

Q:74 In the sentence identify the segment which contains the grammatical error.

Foreign tourists always enjoy to watch the flying birds in the Nal Sarovar Bird Sanctuary.

1. to watch the
2. flying birds in the
3. Foreign tourists always enjoy
4. Nal Sarovar Bird Sanctuary

Q:75 In the sentence identify the segment which contains the grammatical error.

If I was in his shoes I would commit suicide with shame.

1. shoes I would
2. with shame
3. commit suicide
4. If I was in his

Q:76 In June 2023, who received New Zealand's second-highest honour among former Prime Ministers?

1. Bill English
2. Helen Clark
3. Jacinda Ardern
4. John Key

Q:77 Which of the following Harappan sites is located in India?

1. Daimabad
2. Shortugai
3. Mohenjodaro
4. Ganweriwala

Q:78 Which of the following is an example of Circular Motion?

1. Artificial satellite orbiting Earth
2. Motion of a wheel
3. Stone tied to a string
4. All of these

Q:79 Which type of soil is found in the southern parts of the middle Ganga plain?

1. Laterite soil
2. Alluvial soil
3. Red and yellow soil
4. Black soil

Q:80 International Day of Innocent Children Victims of Aggression is observed on _ _ _ .

1. 4 June
2. 8 June
3. 6 June
4. 8 June

Q:81 Who was the leader of the Bardoli Satyagraha?

1. Jawaharlal Nehru
2. Dr. Rajendra Prasad
3. Acharya J.B. Kriplani
4. Sardar Vallabhbhai Patel

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Q:82 In which field 'Saraswati Samman's award is given?

1. Music
2. Literature
3. Journalism
4. Dance

Q:83 The reign of Akbar was from _____ to _____.

1. 1556-1605
2. 1605-1627
3. 1526-1530
4. 1628-1658

Q:84 Elastic, extensible, and contractile are the features of which of the following tissue?

1. Epithelial tissue
2. Connective tissue
3. Muscle tissue
4. Nervous tissue

Q:85 In June 2023, India and which country have drawn up an ambitious roadmap for defense industrial cooperation?

1. US
2. UK
3. Oman
4. Nepal

Q:86 Which of these elements are radioactive?

1. Uranium
2. Thorium
3. Radium
4. All of these

Q:87 The world's first CNG port terminal would be built in which state of India?

1. Haryana
2. Gujarat
3. Tamil Nadu
4. Himachal Pradesh

Q:88 Which National Park from West Bengal is also under UNESCO World Heritage Site?

1. Sundarban National Park
2. Sugauli National Park

3. Neora Valley National Park

4. Singalila National Park

Q:89 Which government department is responsible for releasing the Index of Industrial Production (IIP)?

1. Central Statistics Office
2. National Sample Survey Organisation
3. Department of Industrial Policy and Promotion
4. Labour bureau

Q:90 Saina Nehwal is associated with which sport?

1. Tennis
2. Cricket
3. Badminton
4. Gymnastics

Q:91 Examples like Pine and Deodar belong to which of the following Plant Phylum?

1. Angiosperms
2. Gymnosperms
3. Bryophytes
4. Pteridophytes

Q:92 In which state and along which river is the Jayakwadi dam located?

1. Godavari river - Maharashtra
2. Banas river - Rajasthan
3. Periyar river - Kerala
4. Ravi river - Punjab

Q:93 'Leader of the House' in the context of Lok Sabha refers to _____.

1. Chief Justice of India
2. Either the prime minister or a Minister who is nominated by the Prime Minister
3. Attorney General
4. Deputy Speaker

Q:94 Gir National Park is situated in _____.

1. West Bengal
2. Gujarat
3. Rajasthan
4. Assam

Q:95 Concerning inflation in India, which of the following statements is accurate?



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1. Controlling the inflation in India is the responsibility of the Government of India only
2. The Reserve Bank of India has no role in controlling the inflation
3. Decreased money circulation helps in controlling the inflation
4. Increased money circulation helps in controlling the inflation

Q:96 Which country will host the world's largest conservation conference in 2025?

1. USA
2. India
3. UAE
4. Oman

Q:97 Which of the following is the currency of Armenia?

1. Euro
2. Real
3. Dram
4. Manat

Q:98 Which article of the Indian Constitution deals with Appropriation Bill?

1. Article 114
2. Article 144
3. Article 112
4. Article 116

Q:99 Ashish Sankrityayan is an exponent of _____ music.

1. Odissi
2. Dhrupad
3. Thumri
4. Kajari

Q:100 Which Indian state officially launched the internet connectivity scheme KFON in June 2023?

1. Kerala
2. Tamil Nadu
3. Karnataka
4. Maharashtra

Answer Key

1. (2)	2. (4)	3. (3)	4. (4)	5. (1)
6. (3)	7. (2)	8. (1)	9. (3)	10. (2)
11. (2)	12. (2)	13. (2)	14. (1)	15. (1)
16. (3)	17. (2)	18. (3)	19. (3)	20. (1)
21. (3)	22. (1)	23. (1)	24. (2)	25. (4)
26. (4)	27. (3)	28. (4)	29. (3)	30. (4)
31. (4)	32. (1)	33. (4)	34. (2)	35. (2)
36. (2)	37. (2)	38. (2)	39. (1)	40. (1)
41. (1)	42. (4)	43. (2)	44. (3)	45. (3)
46. (3)	47. (3)	48. (4)	49. (3)	50. (2)
51. (2)	52. (2)	53. (3)	54. (2)	55. (1)
56. (3)	57. (2)	58. (4)	59. (1)	60. (2)
61. (2)	62. (2)	63. (1)	64. (2)	65. (1)
66. (2)	67. (3)	68. (1)	69. (4)	70. (2)
71. (2)	72. (1)	73. (3)	74. (1)	75. (4)
76. (3)	77. (1)	78. (4)	79. (3)	80. (1)
81. (4)	82. (2)	83. (1)	84. (3)	85. (1)
86. (4)	87. (2)	88. (1)	89. (1)	90. (3)
91. (2)	92. (1)	93. (2)	94. (2)	95. (3)
96. (3)	97. (3)	98. (1)	99. (2)	100. (1)

Answers and Solutions

Q:1 The correct answer is **option 2** i.e. **7.77cm**.

A square of the maximum area in a circle has a diagonal which is equal to the diameter of the circle

The perimeter of the square = $4 \times \text{side}$

$\Rightarrow 4 \times \text{side} = 44$

$\Rightarrow \text{Side} = 11\text{cm}$

$\Rightarrow \text{Diagonal} = 11\sqrt{2}\text{cm}$

Radius = $(11\sqrt{2})/2$ or $(11 \times 1.414)/2$

$\Rightarrow 7.77\text{cm}$

Q:2 The correct answer is **option 4** i.e. **80**.

For computing the fourth proportion,

Product of means = product of extremes

Let the fourth proportional be x

$\Rightarrow 16, 32, 40, x$

$\Rightarrow 16x = 32 \times 40$

$\Rightarrow x = 80$

Q:3 The correct answer is **option 3** i.e. **50%**.

Let the markup percentage be ' x ' on the article and 100 be the cost price

$\Rightarrow (100 + x) \times (5/6) = 125$

$\Rightarrow (100 + x) = 150$

$\Rightarrow x = 50\%$

Q:4 The correct answer is **option 4** i.e. **Rs 5850**.

Let the fixed cost be ' f ' and the variable cost be ' v '

$\Rightarrow f + 7v = 4500$

$\Rightarrow f + 3v = 2700$

$\Rightarrow v = 450$, and $f = 1350$

The cost of Chandan will be

$\Rightarrow f + 10v = 1350 + 10 \times 450$

$\Rightarrow 4500 + 1350 = \text{Rs } 5850$

Q:5 The correct answer is **option 1** i.e. **2900 \$**.

Simple interest = $(\text{Principal} \times \text{rate of interest} \times \text{time})/100$

$\Rightarrow \text{SI} = (2000 \times 15 \times 3)/100 = 900 \$$

Amount = $(\text{principal} + \text{interest})$

$\Rightarrow (2000 + 900) = 2900 \$$

Q:6 The correct answer is **option 3** i.e. **$> 170\% > 5/3 > 14/9$** .

By converting the given numbers in percentage form

$\Rightarrow 5/3 = 1 + 2/3 = 100 + 66.67 = 166.67\%$

$\Rightarrow 14/9 = 1 + 5/9 = 100\% + 55.55 = 155.55\%$

$\Rightarrow = 31/17 = 1 + 14/17 = 100\% + 82\% = 182\%$

$\Rightarrow 170\% > 5/3 > 14/9$

$1 \frac{14}{17}$

Q:7 The correct answer is **option 2** i.e. **4,000 units/day**.

The ratio of efficiency of a man to woman = $5 : 3$

The ratio of efficiency of a woman to child = $4 : 3$

The ratio of efficiencies be,

Man : woman : child = $20 : 12 : 9$

The efficiency of 1 man = $20/9$ children

The efficiency of 18 men = $20/9 \times 18$ children

$\Rightarrow 40$ children or 40×100

$\Rightarrow 4,000$ units/day

Q:8 The correct answer is **option 1** i.e. **5000**.

Let the amount invested by Ramesh be ' x '

$\Rightarrow x/(2000 + x) = 300/420$

$\Rightarrow x/(2000 + x) = 5/7$



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$$\Rightarrow 7x = (10000 + 5x)$$

$$\Rightarrow x = \text{Rs.}5000$$

Q:9 The correct answer is **option 3** i.e. **9**.

Let the number of people who like Gulabjamun = $3x$

The number of people who like Soan Papdi = $6x$

The number of people who like Kaju Katli = x

Let the number of people who like Rasgullas be y

$$\Rightarrow (3x + 6x + x + y) = 19$$

$$\Rightarrow (10x + y) = 19$$

$$\Rightarrow x = 1 \text{ \& } y = 9$$

Hence, the number of people who like Rasgullas is **9**

Q:10 The Correct Answer is **option 2** i.e. **10 and 4**.

Length is $5/2$ times its breadth

Suppose,

Breadth = x

Length = $5x/2$

The perimeter of a rectangle is 28 cm.

So,

$$\Rightarrow 2 \times (x + 5x/2) = 28$$

$$\Rightarrow x = 4$$

Hence,

Length = $4 \times 5/2 = 10$ cm

Breadth = 4 cm

So, length and breadth are 10, 4 respectively

Q:11 The correct answer is **option 2** i.e. **$5^6 \times 7^3$** .

$$\Rightarrow N = (a^p \times b^q \times c^r)$$

Sum of factors of $N = (p+1)(q+1)(r+1)$

Product of all factors of $N = N^{(\text{number of factors})/2}$

$$\Rightarrow 175 = (5 \times 5 \times 7)$$

$$\Rightarrow 175 = (5^2 \times 7)$$

Sum of factors of 175 = $(2+1)(1+1) = 6$

Product of all factors of 175 = $5^6 \times 7^3$

Q:12 The correct answer is **option 2** i.e. **Rs. 2000**.

Profit due to the weight = $(1000 - 850)/850 \times 100$

$$\Rightarrow 150/850 \times 100 = 17.64\%$$

If the cost price is 100 then the selling price before the markup = Rs.117.64

After the markup of 25% = $117.64 \times 125/100$

$$\Rightarrow 147.05$$

$$\Rightarrow \text{Cost price} = \text{Selling Price} / (100 + \text{profit}\%) \times 100$$

$$\Rightarrow 2940 / (147.05) \times 100$$

$$\Rightarrow \text{Rs. } 2000$$

Q:13 The correct answer is **option 2** i.e. **111**.

If twice the amount of work is done in 30 days then in 15 days the original work will be completed

The total work done $\text{lcm}(12, 15) = 60$ unit

Efficiency of Sameer = $60/12 = 5$ units/day

Efficiency of Kusum = $60/15 = 4$ units/day

Total work done in first two days = $(5 - 4) = 1$ unit

Total work done in the 108 days = 54 unit

Total work done in the 109 days = 59 unit

Total work done in the 110 days = 55 unit

Total work done in the 111 days = 60 unit

Hence, the total work will be completed in 111 days.

Q:14 The correct answer is **option 1** i.e. **150 m**.

The difference between the speed will be $5 : 2$ i.e. 3 units

Here 3 units represent 90 m

$$\Rightarrow 1 \text{ unit} = 30 \text{ m}$$

The total length of the track = 5 units

$$\Rightarrow (5 \times 30) = 150 \text{ m}$$

Q:15 The correct answer is **option 1** i.e. **15 years**.

Let the present age of the father and the son be $5x$ and $3x$ respectively

$$\Rightarrow (5x + 10) / (3x + 10) = 7/5$$

$$\Rightarrow (25x + 50) = (21x + 70)$$

$$\Rightarrow 4x = 20$$

$$\Rightarrow x = 5$$

Present age of son = $3(5) = 15$

Q:16 The correct answer is **option 3** i.e. **32**.

The change in length = 20%

The change in breadth = 10%

The percentage increased in the area of a rectangle

$$\Rightarrow 20 + 10 + (20 \times 10)/100$$

$$\Rightarrow (30 + 2) = 32$$

Q:17 The correct answer is **option 2** i.e. **1**.

$$\Rightarrow [(1931)^{221}]^{428} / 1932$$

$$\Rightarrow (1931/1932) \text{ rem} = -1$$

$$\Rightarrow (-1)^{221} = -1$$

$$\Rightarrow (-1)^{428} = 1$$



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Q:18 The correct answer is **Option 3** i.e. **71.33%**.

The student will get marks equal to the average marks in all subjects

$$\text{Total score} = (34 + 40 + 42 + 24 + 29.5 + 44.5) = 214$$

$$\text{Maximum score} = (50 \times 6) = 300$$

$$\text{Percentage} = (214/300) \times 100 = 71.33\%$$

Q:19 The correct answer is **Option 3** i.e. **23.83**.

The average score in Maths = 24

Number of students = 30

$$\text{Total score} = (24 \times 30) = 720$$

$$\text{Total score of 6 students} = (50 + 49 + 49 + 0 + 0 + 0) = 148$$

$$\text{Total score of other } (30 - 6 = 24) \text{ students} = (720 - 148) = 572$$

$$\text{Average score} = 572/24 = 23.83$$

Q:20 The correct answer is **option 1** i.e. **42**.

$$\text{Total score in Physical Education} = (44.5 \times 30) = 1335$$

$$\text{Total score of 10 students} = (49.5 \times 10) = 495$$

$$\text{Marks scored by remaining 20 students} = (1335 - 495) = 840$$

$$\text{Average marks} = 840/20 = 42$$

Q:21 The correct answer is **option 3** i.e. **85**.

Average marks in English = 34

Average marks in Hindi = 40

$$\text{Percentage} = (34/40) \times 100 = 85\%$$

Q:22 The correct answer is **option 1** i.e. **12**.

Given,

$$\text{Area of polygon} = 108 \text{ m}^2$$

$$\text{Length (center to vertices)} = s = 6 \text{ m}$$

Number of sides = n

$$\text{Formula: Area of polygon} = \frac{1}{2} n \sin(360^\circ/n) s^2$$

$$\text{Now, } \Rightarrow 108 = \frac{1}{2} n \sin(360^\circ/n) 6^2$$

$$\Rightarrow \frac{1}{2} n \sin(360^\circ/n) = 3$$

$$\Rightarrow n \sin(360^\circ/n) = 6$$

Put n = 12 to satisfy RHS

$$\Rightarrow 12 \sin(360^\circ/12) = 6$$

$$\Rightarrow 12 \sin(30^\circ) = 6$$

$$\Rightarrow 12 \left(\frac{1}{2}\right) = 6$$

$$\Rightarrow 6 = 6 \text{ [LHS = RHS]}$$

Hence, n = number of sides = 12

Q:23 The correct answer is **option 1** i.e. **924 cm²**.

Given,

The angle of the minor arc = 120°

$$\text{radius} = r = 21 \text{ cm}$$

So,

$$\text{Angle of major arc} = 360^\circ - (\text{Angle of minor arc})$$

$$\Rightarrow (360^\circ - 120^\circ) = 240^\circ$$

Formula:

$$\text{Area of arc} = \left(\frac{\theta}{360^\circ}\right) \pi r^2$$

Now,

$$\text{Area of major arc} = \left(\frac{240^\circ}{360^\circ}\right) \times \frac{22}{7} \times 21 \times 21$$

$$\Rightarrow \left(\frac{2}{3} \times \frac{22}{7} \times 21 \times 21\right) = (44 \times 21) = 924 \text{ cm}^2$$

Hence, the Area of major arc = 924 cm²

Q:24 The correct answer is **option 2** i.e. **1.733**.

Formula:

$$\Rightarrow \sin \theta = P/H$$

$$\Rightarrow \tan \theta = P/B$$

$$\Rightarrow \cos \theta = B/H$$

$$\Rightarrow H^2 = (P^2 + B^2)$$

Given:

$$\Rightarrow \sin x = 0.8$$

$$\Rightarrow \tan 45^\circ = 1$$

$$\Rightarrow P/H = 0.8 = 8/10$$

therefore,

$$\Rightarrow P = 8$$

$$\Rightarrow H = 10$$

so,

$$\Rightarrow B^2 = H^2 - P^2 = (10^2 - 8^2) = 36$$

$$\Rightarrow B = 6$$

$$\Rightarrow \left[\left(\frac{\tan x/2}{2} \right) + 5 (\tan 45^\circ) - 2(1/\cos x) - 2(\cos x/2) \right]$$

$$\Rightarrow \left[\left(\frac{(P/B)/2}{2} \right) + 5(\tan 45^\circ) - 2(1/(B/H)) - 2((B/H)/2) \right]$$

$$\Rightarrow \left[\left(\frac{P/2B}{2} \right) + 5(1) - (2H/B) - (B/H) \right]$$

put the value of H, B, and P

$$\Rightarrow \left[\left(\frac{8/2 \times 6}{2} \right) + 5 - (2 \times 10/6) - (6/10) \right]$$

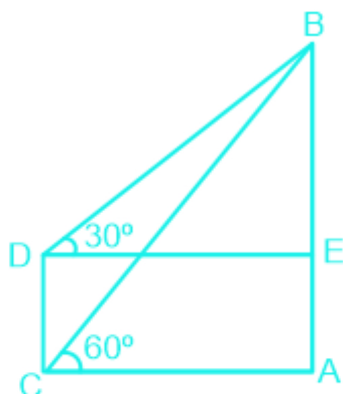
$$\Rightarrow \left[\frac{2}{3} + 5 - 10/3 - 3/5 \right]$$

$$\Rightarrow [10 + 75 - 50 - 9]/15$$

$$\Rightarrow [85 - 59]/15 = 1.733$$

Q:25 The correct answer is option 3 i.e. **31.176 m** and **18 m**.

Height of 1st temple = 54 m



The angle of depression of the top = 30°
 The angle of depression of the bottom = 60°
 $\Rightarrow \tan \theta = P/B$
 $\Rightarrow \tan 30^\circ = 1/\sqrt{3}$
 $\Rightarrow \tan 60^\circ = \sqrt{3}$
 Let AB and CD be the two temples and AC be the river
 Then, AB = 54 m
 Let, AC = x m and CD = h m
 $\Rightarrow \angle ACB = 60^\circ$
 $\Rightarrow \angle EDB = 30^\circ$
 $\Rightarrow AB/AC = \tan 60^\circ = \sqrt{3}$
 $\Rightarrow AC = AB/\sqrt{3} = 54/\sqrt{3} = ((54/\sqrt{3}) \times (\sqrt{3}/\sqrt{3})) = 18\sqrt{3} \text{ m}$
 $\Rightarrow DE = AC = 18\sqrt{3}$
 $\Rightarrow (BE/DE) = \tan 30^\circ = 1/\sqrt{3}$
 $\Rightarrow BE = (18\sqrt{3} \times 1/\sqrt{3}) = 18 \text{ m}$
 $\Rightarrow CD = AE = (AB - BE) = (54 - 18) = 36 \text{ m}$
 So, width of river = AC = $18\sqrt{3} \text{ m} = (18 \times 1.733) = 31.176 \text{ m}$
 Height of the other temple = CD = 18 m

Q:26 The correct answer is **Option 4** i.e. **Review**
 Here, from the given codes are:

Privacy	social	media	—	yo	vo	na
Review	account	privacy	—	yo	ha	la
Media	law	account	—	la	vo	sa

Privacy- yo
 Media- vo
 Social- na
 Account- la
 Law- sa
 Review- ha
 So, 'Review' is coded as 'ha'.

Hence, the correct answer is **Review**.

Q:27 The correct answer is **Option 3** i.e. **52.48**
Given series: 2050, 820, 328, 131.2, ?, 20.992

The pattern of the series is:

$$2050 \times 2/5 = 820$$

$$820 \times 2/5 = 328$$

$$328 \times 2/5 = 131.2$$

$$131.2 \times 2/5 = \mathbf{52.48}$$

$$52.48 \times 2/5 = 20.992$$

So, **52.48** is the missing number in the given series.
 Hence, the correct answer is **52.48**.

Q:28 The correct answer is **Option 4** i.e. **III**



Here, we see that figure in option 4 is the correct pattern.

For shape: The shapes at the corners are rotated 90 degrees in the next step and black coloured is coloured white and vice-versa. After two steps the shape changes.

For Arrow: The arrow is rotated 90 degrees on the right side and moving diagonally up in the centre, at the corner, and back to the initial position and repeating this movement.

Hence, the correct answer is **Option 4**.

Q:29 The correct answer is **Option 3** i.e. **Son-in-law**

After decoding the statement,

C 1 F 2 L 3 K 4 D

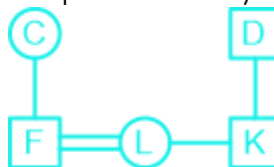
C 1 F → C is the mother of F

F 2 L → F is the husband of L

L 3 K → L is the sister of K

K 4 D → K is the son of D

The possible family tree is,



Clearly, F is the son-in-law of D

Hence, the correct answer is **Son-in-law**.

Q:30 The correct answer is **Option 4** i.e. **709**

The logic followed here is as follows:

The sum of digits of each number is 17.

In option (1): $539 = (5 + 3 + 9) = 17$
 In option (2): $647 = (6 + 4 + 7) = 17$
 In option (3): $485 = (4 + 8 + 5) = 17$
 In option (4): $709 = (7 + 0 + 9) = 16 \neq 17$
 Hence, **709** is the correct answer.

Q:31 The correct answer is **Option 4** i.e. **LCG**.

VLA $\rightarrow (22 - 12) = 10 \rightarrow 1 + 0 = 1 = A$

UJB $\rightarrow (21 - 10) = 11 \rightarrow 1 + 1 = 2 = B$

RBG $\rightarrow (18 - 2) = 16 \rightarrow 1 + 6 = 7 = G$

LCG $\rightarrow (12 - 3) = 9 \rightarrow 1 \neq G$

So, **LCG** is the odd one out.

Hence, the correct answer is **LCG**.

Q:32 The correct answer is **Option 1** i.e. **(7, 12, 193)**

The logic used here is:

$(\text{First number})^2 + (\text{Second number})^2 = \text{Third number}$

$(3, 8, 73)$

$\Rightarrow 3^2 + 8^2 = 9 + 64 = 73$

$(5, 9, 106)$

$\Rightarrow 5^2 + 9^2 = 25 + 81 = 106$

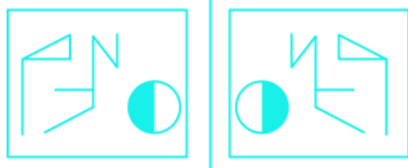
Similarly,

$(7, 12, 193)$

$\Rightarrow 7^2 + 12^2 = 49 + 144 = 193$

Hence, the correct answer is **(7, 12, 193)**.

Q:33 The correct answer is **Option 4**



Hence, the correct answer is **Option 4**.

Q:34 The correct answer is **Option 2**

In this question, each pin is rotating at 90° in a clockwise direction. So, the missing image will be,



Hence, the correct answer is **Option 2**.

Q:35 The correct answer is **Option 2** i.e. **188**

As per the question

$30 - 6 + 20 \times 10 \div 10$ can be decoded as

$30 \times 6 - 20 \div 10 + 10$

$= 180 - 2 + 10$

$= 190 - 2$

$= 188$

Hence, the correct answer is **188**.

Q:36 The correct answer is **Option 2** i.e. **(6, 7, 252)**

The logic used here is:

$(\text{First number})^2 \times \text{Second number} = \text{Third number}$
 $(4, 6, 96)$

$\Rightarrow 4^2 \times 6 = 16 \times 6 = 96$

$(5, 3, 75)$

$\Rightarrow 5^2 \times 3 = 25 \times 3 = 75$

Similarly,

$(6, 7, 252)$

$\Rightarrow 6^2 \times 7 = 36 \times 7 = 252$

Hence, the correct answer is **(6, 7, 252)**.

Q:37 The correct answer is **Option 2** i.e. **2116**

The resultant is - square of the number after the deduction of one from it.

$25 - 1 = 24^2 = 576$

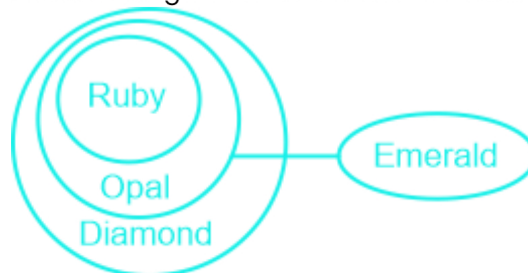
$32 - 1 = 31^2 = 961$

Similarly, $47 - 1 = 46^2 = 2116$

Hence, the correct answer is **2116**.

Q:38 The correct answer is **Option 2** i.e. **B**

Possible diagram from the above statements-



Conclusions:

I. Some emerald are ruby - **False** - All ruby are opal and no opal are emerald, hence no ruby is emerald.

II. No emerald is ruby - **True** - All ruby are opal and no opal are emerald, hence no emerald is ruby.

Hence, the correct answer is **B**.

Q:39 The correct answer is **Option 1** i.e. **QMRI**

Here, we see that MINE is related to QMRI in the way



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same as others. Hence, 'I' is the correct option.
Each letter in the word is replaced by the fourth letter after it in the alphabetical order.
Example: Y + 4=C, O + 4=S, and so on.
YOUR = CSYV & OURS = SYVW
Similarly, MINE = QMRI
Hence, the correct answer is **QMRI**.

Q:40 The correct answer is **Option 1** i.e. **+ and -**

Given equation: $41 - 7 \times 6 \div 3 + 28 = 27$

Option 1: **+ and -**

After interchanging the expression becomes:

$$41 + 7 \times 6 \div 3 - 28 = 27$$

$$= 41 + 7 \times 2 - 28$$

$$= 41 + 14 - 28$$

$$= 55 - 28$$

$$= 27 \text{ is equal to } 27.$$

As we have found our answer, so, there is no need of checking other options.

Hence, the correct answer is **+ and -**.

Q:41 The correct answer is **Option 1** i.e. **16**

The logic used here is:

1st column: 5, 6, 1, 11

$$5 + 6 + 1 = 12 - 1 = 11$$

2nd column: 8, 4, 2, 13

$$8 + 4 + 2 = 14 - 1 = 13$$

3rd column: 7, 4, 6, ?

$$7 + 4 + 6 = 17 - 1 = 16$$

Hence, **16** is the correct answer.

Q:42 The correct answer is **Option 4** i.e. **-, +, ×, ÷, =**

Given equation: $12 * 6 * 18 * 4 * 9 * 14$

Option 4: **-, +, ×, ÷, =**

$$12 - 6 + 18 \times 4 \div 9 = 14$$

$$= 12 - 6 + 2 \times 4$$

$$= 12 - 6 + 8$$

$$= 20 - 6$$

$$= 14 \text{ is equal to } 14.$$

Hence, the correct answer is **-, +, ×, ÷, =**.

Q:43 The correct answer is **Option 2** i.e. **69**

Code = Addition of Positional value of last two letters × 3

$$\text{GROOM} = (15 + 13) \times 3 = 84$$

$$\text{BRIDE} = (4 + 5) \times 3 = 27$$

Similarly,

$$\text{GATHER} = (5 + 18) \times 3 = 69$$

Hence, the correct answer is **69**.

Q:44 The correct answer is **Option 3** i.e. **1#T₂**

Given series = 1!Q₂, 1*W₂, 1&R₂, 1%V₂, 1\$S₂, 1#T₂

Logic: The numbers are static, every time a new symbol is used and the letter has the following pattern.

$$Q + 6 = W, W - 5 = R, R + 4 = V, V - 3 = S, S + 2 = U, \text{ not } T$$

So, in this way, the 6th term would be 1# U₂, not 1# T₂.

Hence, the correct answer is **1# T₂**.

Q:45 The correct answer is **Option 3** i.e. **3, 5, 2, 4, 1**

The correct dictionary order will be:

3. Produce

5. Promise

2. Pronoun

4. Property

1. Proudly

So, **3, 5, 2, 4, 1** represent the correct dictionary order.

Hence, the correct answer is **3, 5, 2, 4, 1**.

Q:46 The correct answer is **Option 3** i.e. **AFFILIABLE**

The letter 'B' is shifted by 1, 2, 4, and so on place.

So, in the next word, the letter B will be at 8th place.

BOOK, ABIDE, ADOBE, AFFILIABLE

Thus, '**AFFILIABLE**' is the correct answer.

Q:47 The correct answer is **Option 3** i.e. **Cutting**

A wrench is used for Fastening an object. Similarly, Tenon saw is used for cutting wooden objects.

Hence, the correct answer is **Cutting**.

Q:48 The correct answer is **Option 4** i.e. **Only III follows**

The possible diagram from the above statements-



Conclusions:

- I. Some Star are Earth – **False** – No direct relation between star and earth
- II. Some Moon are Mars – **False** – No direct relation between Moon and Mars
- III. All Earth being star is a possibility – **True** – No direct relation between Earth and star so in case of possibility it is true.

Hence, the correct answer is **Only III follows**.

Q:49 The correct answer is **Option 3** i.e. **Kolkata**

The logic used here is:

Charminar : Hyderabad

Charminar is in Hyderabad.

Similarly,

Victoria Memorial : ?

Victoria Memorial is in Kolkata.

Hence, the correct answer is **Kolkata**.

Q:50 The correct answer is **Option 2** i.e. **P + R – T % S**

Option 1:

P – T – P is the father of T

T + S – T is the mother of S

S * R – S is the wife of R

Clearly, P is a male member.

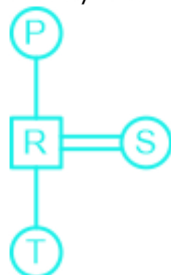
Option 2:

P + R – P is the mother of R

R – T – R is the father of T

T % S – T is the daughter of S

Family tree-



Clearly, P is the grandmother of T.

Hence, the correct answer is **P + R – T % S**.

Q:51 The correct answer is **Option 2** i.e. **found new evidence of water on**.

- 'Has + past participle' will be the correct construction of the verb phrase.
- 'On Mars' will be the correct use of the

preposition here.

- The chosen option follows the given rules hence, it will **IMPROVE** the statement correctly.

Correct Sentence:-

Led by a team of scientists of Indian-origin, NASA's Curiosity rover has **found new evidence of water on** Mars.

Q:52 The correct answer is **Option 2** i.e. **is exempt from**.

- **Subjects** and **verbs** must **AGREE** with one another in number (**singular or plural**). Thus, if a **subject** is singular, its **verb** must also be singular; if a **subject** is plural, its **verb** must also be plural.
- The subject of the given statement is 'Supplying' which is singular hence, we need to use 'Singular verb'. So, 'is' will be used.
- 'Exempt from' is the correct use of the preposition here.
- The chosen option follows the given rules hence, it will **IMPROVE** the statement correctly.

Correct Sentence:-

Supplying food to schools under mid-day meal scheme, pre-schools and anganwadis **is exempt from** GST.

Q:53 The correct answer is **Option 3** i.e. **creativity**.

Let's have a look at the meaning of the given options:-

- **creativity**- the ability to make or produce new things using skill or imagination.
- **ingenuity**- skill or cleverness in devising or combining.
- **individuality**- the qualities that make somebody/something different from other people or things.
- **originality**- the quality of being new and interesting.

'Creativity' which means 'the ability to make or produce new things using skill or imagination' fits in the context appropriately.

Correct Sentence:-

Common sense and **creativity** are some of the intangibles we're looking for in an employee.

Q:54 The correct answer is **Option 2 i.e. vanished.**
Let's have a look at the meaning of the given options:-

- **vanished**- to disappear suddenly or in a way that you cannot explain.
- **appeared**- to suddenly be seen; to come into sight.
- **escaped**- to get free from something, or to avoid something.
- **lessened**- to become less; to make something less.

'Vanished' which means 'to disappear suddenly or in a way that you cannot explain' fits in the context appropriately.

Correct Sentence:-

*My keys were here a minute ago but now they've **vanished**.*

Q:55 The correct answer is option 1 i.e. **Was a new bike bought by him?**

Active voice- Did + subject + v1 + object + other words?

Passive voice- Was/were + object + v3 + by + subject + other words?

As the chosen option follows this structure it will be the correct answer.

Q:56 The correct answer is option 3 i.e. **The driver asked the passenger where he would go.**

- As the reported speech is in '**Interrogative sentence**' we need to make changes according to this.
- There will be a change in the reporting verb and it will be changed into '**Asked**'.
- '**Where**' will be used at the place of the '**Inverted comma**'.
- 'Will' will be changed into 'would'.
- The reported speech will be kept in an assertive structure '**Subject + verb + object**'.

As all the rules are followed by the chosen option it will be correct.

Q:57 The correct answer is **Option 2 i.e. To praise one's own self.**

The meaning of the given idiom is:-

To blow one's own trumpet- to talk about oneself or one's achievements especially in a way that shows that one is proud or too proud.

As the meaning of the given idiom is the same as the chosen option it will be correct.

Q:58 The correct answer is **Option 4 i.e. To bear the consequences.**

The meaning of the given idiom is:-

To face the music- be confronted with the unpleasant consequences of one's actions.

As the meaning of the given idiom is the same as the chosen option it will be correct.

Q:59 The correct answer is **Option 1 i.e. Acceptance.**

Let's have a look at the meaning of the given options:-

- **Acceptance**- the act of accepting or being accepted.
- **Accessibility**- the quality or characteristic of something that makes it possible to approach, enter, or use it.
- **Accessible**- possible to be reached or entered.
- **Accessory**- an extra item that is added to something and is useful or attractive but not of great importance.

As the chosen option is correctly spelt it will be the correct answer.

Q:60 The correct answer is **Option 2 i.e. Accelerate.**
Let's have a look at the meaning of the given options:-

- **Abundant**- existing in very large quantities; more than enough.
- **Accelerate**- to go faster; to make something go faster or happen more quickly.
- **Accent**- a particular way of pronouncing words that are connected with the country, area or social class that you come from.
- **Accentuate**- to emphasize something or make something easier to notice.

As the chosen option is incorrectly spelt it will be the correct answer.

Q:61 The correct answer is option 2 i.e. **Obdurate.**
Let's have a look at the meaning of the given options:-

- **Hardened**- to become or to make something hard or less likely to change.

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English

- **Brisk**- quick or using a lot of energy; busy.
- **Obdurate**- refusing to change your mind to do what people want you to do.
- **Cordial**- pleasant and friendly.
- **Unintelligible**- not clearly understood or expressed.

Obdurate is the best suitable synonym.

As the chosen option expresses the best meaning of the given word it will be correct.

Q:62 The correct answer is **Option 2 i.e. Counterfeit**.
Let's have a look at the meaning of the given options:-

- **Fake**- not genuine; imitation or counterfeit.
- **Countermand**- revoke or cancel (an order).
- **Counterfeit**- not genuine, but copied so that it looks like the real thing; made in exact imitation of something valuable with the intention to deceive or defraud.
- **Facile**- ignoring the true complexities of an issue; superficial.
- **Erring**- having failed to adhere to the proper or accepted standards; having done wrong.

As the chosen option expresses the best meaning of the given word it will be correct.

Q:63 The correct answer is option 1 i.e. **Impede**.
Let's have a look at the meaning of the given options:-

- **Facilitate**- to make something possible or easier.
- **Impede**- to make it difficult for somebody/something to move or go forward.
- **Frisk**- to pass your hands over somebody's body in order to search for hidden weapons, drugs, etc.
- **Expedite**- to make something happen more quickly.
- **Vanish**- to disappear suddenly or in a way that you cannot explain.

As the chosen option expresses the opposite meaning of the given word it will be correct.

Q:64 The correct answer is **Option 2 i.e. Strenuous**.
Let's have a look at the meaning of the given options:-

- **Facile**- done or achieved with little effort or

difficulty; easy.

- **Effortless**- needing little or no effort so that something seems easy.
- **Strenuous**- needing or using a lot of effort or energy.
- **Deceptive**- likely to give a false impression or to make somebody believe something that is not true.
- **Baleful**- threatening harm; menacing.

As the chosen option expresses the opposite meaning of the given word it will be correct.

Q:65 The correct answer is **Option 1 i.e. Mint**.

The meaning of the given words is:

- **Mint**- a place where the coins and paper money of a country are made.
- **Utopia**- a place or state that exists only in the imagination, where everything is perfect.
- **Casino**- a place where people play games in which you can win or lose money, such as roulette.
- **Armoury**- a place where weapons are stored.

As the chosen option expresses the meaning of the given group of words it will be the correct answer.

Q:66 The correct answer is **Option 2 i.e. Pauper**.

The meaning of the given words is:

- **Sink**- to go down or make something go down under the surface of liquid or a soft substance.
- **Pauper**- a very poor person.
- **Flounder**- struggle mentally; show or feel great confusion.
- **Founder**- a person who starts a new institution or organization.

As the chosen option expresses the meaning of the given group of words it will be the correct answer.

Q:67 The correct answer is **Option 3 i.e. scenery**.

Let's have a look at the meaning of the given options:-

- **scenery**- the natural beauty that you see around you in the country.
- **outlook**- your attitude to or feeling about life and the world.
- **setting**- the position something is in; the place and time in which something happens.



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English

- **decor**- the style in which the inside of a building is decorated.

'Scenery' which means 'the natural beauty that you see around you in the country' fits the context appropriately.

Hence, the chosen option will be correct.

Q:68 The correct answer is **Option 1 i.e. to**.

- 'Home to' is the correct use of the preposition here.
- **Home to**:- the place where you live or where you feel that you belong.

Hence, the chosen option will be correct.

Q:69 The correct answer is **Option 4 i.e. including**.

- There is a main verb in the given statement hence, we need to use a 'Non-finite' verb in the given statement.
- The paragraph is talking about the present time hence, 'Present Participle' will be the correct choice here.

Hence, the chosen option 'including' will be correct.

Q:70 The correct answer is **Option 2 i.e. expedition**.
Let's have a look at the meaning of the given options:-

- **expedition**- a journey undertaken by a group of people with a particular purpose, especially that of exploration, research, or war.
- **project**- a piece of work, often involving many people, that is planned and organized carefully.
- **safari**- a trip to see or hunt wild animals, especially in East Africa.
- **mission**- an important official job that somebody is sent somewhere to do, especially to another country.

'Expedition' which means 'a journey undertaken by a group of people with a particular purpose, especially that of exploration, research, or war' fits the context appropriately.

Hence, the chosen option will be correct.

Q:71 The correct answer is **Option 2 i.e. out**.

- 'Out' will be the correct use of the preposition here.

- Iceland is a place where the 'sun' can be seen in the night as well hence, it will suit the given blank.

Hence, the chosen option will be correct.

Q:72 The correct answer is option 1 i.e. DBAC.

- **Statement D** is independent and defines the theme of the paragraph 'Social media' hence, it will be the opening statement.
- **Statement B** contains the pronoun 'These' that is being used for the noun 'Social media' hence, B will come after D.
- **Statement A and C** make a sequence hence, they will come respectively.
- Now we have the final arrangement i.e. DBAC.

The chosen option is the same as the final arrangement hence, it will be correct.

Correct Arrangement:-

Social media and technology are integral parts of daily life. The use of these technologies in the classroom is more natural than before, given how acclimated many students are to them. Each social media platform offers many different ways to be used in the classroom, from sharing announcements to holding live lectures, and so much more. First, social media provides a smoother, more direct communication tool between students, teachers and parents, who can check in and ask or respond to questions.

Some common rules that help while solving the Para Jumbles:-

- Read the paragraph **carefully** and try to **comprehend the paragraph's idea or theme** and **eliminate the irrelevant options**.
- Try to identify the opening (**Independent statement**) and closing statement (**Concluding statement**).
- Try to **identify the mandatory pairs**. Two sentences can be connected through various connectors.
- If a statement starts with **Pronoun**, find the **noun** for which the pronoun is used, both the statements containing **noun** and **pronoun** will form a pair respectively.

Q:73 The correct answer is option 3 i.e. BADC.

- **Statement B** is independent and defines the

theme of the paragraph 'Vijayanagara' hence, it will be the opening statement.

- **Statement A** contains the pronoun 'It' that is being used for the noun 'Vijayanagara' hence, A will come after B.
- **Only** the chosen option starts with the pair 'BA' hence, it will be correct.
- Now we have the final arrangement i.e. **BADC**.

The chosen option is the same as the final arrangement hence, it will be correct.

Correct Arrangement:-

A coastal zone is an interface between the land and water. It is important because a majority of the world's population inhabit such zones. Coastal zones are continually changing because of the dynamic interaction between the oceans and the land. Waves and winds along the coast are both eroding rock and depositing sediment on a continuous basis.

Some common rules that help while solving the Para Jumbles:-

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- If a statement starts with **Pronoun**, find the **noun** for which the pronoun is used, both the statements containing **noun** and **pronoun** will form a pair respectively.

Q:74 The correct answer is **Option 1** i.e. **to watch the**.

- The error lies in **option 1** because of the wrong use of '**Participle**'.
- We need to replace '**To watch**' with '**Watching**' for making the statement grammatically correct.

Grammatical concept:-

- '**Enjoy**' is followed by the '**Present Participle**' form of the verb.
- The chosen option contains the **ERROR** hence, it will be the correct choice.

Correct Sentence:-

Foreign tourists always enjoy watching the flying birds in the Nal Sarovar Bird Sanctuary.

Q:75 The correct answer is **Option 4** i.e. **If I was in his**.

- The error lies in **option 4** because of the wrong use of '**Tense**'.
- We need to replace '**Was**' with '**Were**' for making the statement grammatically correct.

Grammatical concept:-

- If the verb in the if-clause is "**to be**" use "**were**," even if the subject of the clause is a third-person singular subject (i.e., he, she, it).
- The chosen option contains the **ERROR** hence, it will be the correct choice.

Correct Sentence:-

If I were in his shoes I would commit suicide with shame.

Q:76 The correct answer is **option 3** i.e. **Jacinda Ardern**.

Former PM Jacinda Ardern received New Zealand's second-highest honour.

A) Former Prime Minister Jacinda Ardern received one of New Zealand's highest honours for her service leading the country through a mass shooting and coronavirus pandemic.

B) Ardern received the Dame Grand Companionship, New Zealand's second-highest honour, as part of the King Charles Birthday Honour.

Q:77 The correct answer is **option 1** i.e. **Daimabad**.

- Daimabad is a deserted village and an archaeological site on the left bank of the Pravara River, a tributary of the Godavari River in Shrirampur taluka in Ahmednagar district of Maharashtra state in India.
- This site was discovered by B. P. Bopardikar in 1958.

Q:78 The correct answer is **option 4** i.e. **All of these**.

- Circular motion is a movement of an object along the circumference of a circle or rotation along a circular path.



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English

- It can be uniform, with a constant angular rate of rotation and constant speed, or non-uniform with a changing rate of rotation.
- Some examples of circular motion are as follows:

- The Motion of a Wheel.
- A stone tied to a string.
- An artificial satellite orbiting Earth.
- Turning off a car around a curve.

Q:79 The correct answer is **option 3** i.e. **Red and yellow soil**.

- Red and yellow soils are loamy, loose gravels and highly coarse materials. The reddish colour of the soil is developed due to the diffusion of iron present in crystalline and igneous rocks and looks yellow in hydrated form.
- Red and yellow soil is found in the southern parts of the middle Ganga plain.

Q:80 The correct answer is **option 1** i.e. **4 June**.

International Day of Innocent Children Victims of Aggression is observed on 4 June.

A) International Day of Innocent Children Victims of Aggression is observed on June 4 every year. This day acknowledges the abuse and violence suffered by children all over the world of any kind physical, mental, and emotional.

B) According to the report of the World Health Organisation (WHO), it is estimated that up to 1 billion children aged 2–17 years, have experienced physical, sexual, or emotional violence in the year 2021.

Q:81 The correct answer is **Option 4** i.e. **Sardar Vallabhbhai Patel**.

- Due to an increase in land revenue by 22%, the satyagraha was led by Vallabhbhai Patel at Bardoli, Gujarat.
- Under the leadership of Patel, the Bardoli peasants decided to refuse payments of the revised assessment until the Government appointed an independent tribunal or accepted the current amount as full payment.
- The outcome of the satyagraha was British Government set up the Maxwell-Broomfield

commission, reduced land Revenue to 6.03%, and returned confiscated land back to farmers.

- In this struggle, Vallabhbhai Patel got the title of "Sardar" by local farmers of Bardoli.

Q:82 The correct answer is **option 2** i.e. **Literature**.
'Saraswati Samman' award:

- The Saraswati Samman is an annual award for outstanding prose or poetry Literature works in any of the 22 languages of India listed in Schedule VIII of the Constitution of India.
- It is named after an Indian goddess of knowledge and is considered to be among the highest literary awards in India.
- It is given annually by the K.K. Birla Foundation.

Q:83 The correct answer is **option 1** i.e. **1556–1605**.

- The reign of Akbar was from 1556–1605. Akbar, the eldest son of Humayun was the greatest ruler of the Mughal empire.
- From 1605 to 1627, Jahangir was ruling after Akbar. He is known for his strict administration of justice.
- 1526–30 was the tenure of Babur who was the founder of the Mughal empire after defeating Ibrahim Lodhi in the First Battle of Panipat in 1526 AD.
- Shahjahan ascended the throne in 1628 and ruled till 1658 and he died in captivity in 1666.

Q:84 The correct answer is **option 3** i.e. **Muscle tissue**.

1. Epithelial Tissue:

- (i) Features - high cellularity, special sensory receptors, form a barrier, avascular, innervated
- (ii) Surfaces - basal (hemidesmosomes, basement membrane), apical (lumen, microvilli, cilia, stereocilia), lateral (adhering junctions, tight junctions, desmosomes, gap junctions)
- (iii) Types - squamous, cuboidal, columnar, simple, stratified, pseudostratified, specialized

2. Muscle Tissue:

- (i) Features - elastic, extensible, contractile
- (ii) Types - skeletal, cardiac (gap junctions, intercalated discs), smooth, striated, nonstriated

3. Connective tissue:

- (i) Structure - cells (structural, immunological, defence, energy reservoirs), extracellular matrix (ground substance, protein fibres)
- (ii) Types of fibres - collagen, reticular, elastic
- (iii) Classification - proper (dense, loose), embryonic (mesenchyme, mucous), specialized (cartilage, adipose, bone, blood)

4. Nervous tissue:

- (i) Neurons - soma, dendrites, axons, ganglia (PNS), nuclei (CNS)
- (ii) Glia - astrocytes, oligodendrocytes, Schwann cells, microglia - the blood-brain barrier.

Q:85 The correct answer is **option 1** i.e. **US**.

India and US firmed up an ambitious roadmap for defence-industrial cooperation.

A) India and the US concluded a roadmap for defence industrial cooperation that is expected to create access to cutting-edge technologies besides co-producing military platforms, at a meeting defence minister Rajnath Singh had with visiting US Secretary of Defence Lloyd Austin here.

B) The initiative aims to change the paradigm for bilateral cooperation, including specific proposals that could provide India access to cutting-edge tech and support defence modernisation plans, the DoD said.

Q:86 The correct answer is **option 4** i.e. **All of these**.

- **Radioactive elements** are unstable isotopes that release subatomic particles or energy as they decay.
- They are made up of atoms whose nuclei are unstable and give off atomic radiation as part of a process of attaining stability.
- The emission of radiation transforms radioactive atoms into another chemical element, which may be stable or maybe radioactive such that it undergoes further decay.
- Some examples are Uranium, Plutonium, Radium, Thorium, and Francium.

Q:87 The correct answer is **option 2** i.e. **Gujarat**.

- **Bhavnagar, Gujarat** - The world's first CNG port terminal would be built here.
- Joint Venture- U.K.-based Foresight group and Mumbai-based Padmanabh Mafatlal

group.

- CNG Terminal capacity- It would have an annual capacity of 6 million metric tons which would increase the total handling capacity of the port to 9 million metric tonnes.
- Gujarat CM - Bhupendrabhai Patel
- Gujarat Governor - Acharya Devvrat

Q:88 The correct answer is **option 1** i.e. **Sundarban National Park**.

Sunderban National Park in West Bengal is enlisted under UNESCO World Heritage Site.

Other National Parks of West Bengal-

- Gorumara National Park
- Jaldapara National Park
- Buxa Tiger Reserve
- Neora Valley National Park

Q:89 The correct answer is **option 1** i.e. **Central Statistics Office**.

- The Index of Industrial Production (IIP) is an index that shows the growth rates in different industry groups of the economy in a stipulated period of time.
- It is computed and published by the Central Statistical Organisation (CSO) on a monthly basis.

Q:90 The correct answer is **option 3** i.e. **Badminton**.

- Saina Nehwal is a badminton player.
- She was born on 17 March 1990 in Hisar, Haryana, India.
- She has won over 24 international titles, which includes eleven Superseries titles.
- In 2015, she was able to attain the world no.1 ranking, becoming the only female player from India and overall the second Indian player after Prakash Padukone to achieve this feat.

Q:91 The correct answer is **option 2** i.e. **Gymnosperms**.

- The Kingdom Plantae has been divided into five major groups namely
Thallophyta
Bryophyta(mosses)

Pteridophyta(ferns)

- Gymnosperms(pine)
- Angiosperms(seed-bearing)

- **Gymnosperms:** The plant body shows differentiation and is divided into leaves, stems, and roots. The leaves are generally needle-like with a thick cuticle and sunken stomata, generally seen in conifers. This feature helps in the reduction of water loss due to transpiration. Pines, Deodar are common examples of gymnosperms.

Q:92 The correct answer is **option 1** i.e. **Godavari river – Maharashtra.**

- Jayakwadi dam is an earthen dam located on the Godavari river at the site of Jayakwadi village in Paithan taluka of Aurangabad district in Maharashtra.
- It is one of the largest earthen dams in Asia.
- Its height is approx 41.30 m and length of 9.998 km (10 km approx) with a total storage capacity of 2,909 MCM (million cubic meters) and effective live storage capacity is 2,171 MCM.

Q:93 The correct answer is **option 2** i.e. **Either the prime minister or a Minister who is nominated by the Prime Minister.**

- Under the Rules of Lok Sabha, the 'Leader of the House' means the prime minister, if he is a member of the Lok Sabha or a minister who is a member of the Lok Sabha and is nominated by the prime minister to function as the Leader of the House.

Q:94 The correct answer is **option 2** i.e. **Gujarat.**

- Gir National Park and Wildlife Sanctuary, also known as Sasan Gir, is a forest and wildlife sanctuary near Talala Gir in Gujarat, India.
- It is located 43 km (27 mi) north-east of Somnath, 65 km (40 mi) south-east of Junagadh and 60 km (37 mi) south-west of Amreli.

Q:95 The correct answer is **option 3** i.e. **Decreased money circulation helps in controlling inflation.**

- When the money circulation decreases the demand for goods and services decreases,

which helps in controlling inflation.

- The Reserve Bank of India is the authority to control inflation.
- Government can reduce spending to decrease the money circulation in the nation.

Q:96 The correct answer is **option 3** i.e. **UAE.**

UAE will Host the World's Largest Conservation Conference in 2025.

A) The United Arab Emirates (UAE) has won the bid to host the 2025 World Conservation Congress (WCC) of the International Union for Conservation of Nature (IUCN).

B) The WCC is the world's largest and most important gathering of conservationists, and it is expected to draw more than 10,000 delegates from over 160 countries.

Q:97 The correct answer is **option 3** i.e. **Dram.**

- Armenia is a nation, which is in the mountainous Caucasus region between Asia and Europe.
- Armenia's Capital is **Yerevan** and its currency is the **Armenian dram.**
- Armenia's Prime Minister is Nikol Pashinyan.
- Its president is Vahagn Khachaturyan.

More info about options:-

Country	Capital	Currency
Austria	Vienna	Euro
Brazil	Brasilia	Real
Azerbaijan	Baku	Manat

Q:98 The correct answer is **option 1** i.e. **Article 114.**

- Article 114 of the Indian Constitution states about the Appropriation bills in the Parliament.
- The Appropriation Bill gives power to the government to withdraw funds from the Consolidated Fund of India for meeting the expenditure during the financial year, after receiving approval from the Parliament.

Q:99 The correct answer is **option 2** i.e. **Dhrupad.**

- Dhrupad is the oldest surviving classical style of Hindustani (or North Indian) vocal music.
- Dhrupad music traditionally has three major parts – alap, jor-jhala, and composition.



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English

- Dhrupad is introduced by a slow tempo-ed, rather sombre and controlled, recurrent set of syllables (non-words) known as an alap.

Q:100 The correct answer is **option 1** i.e. **Kerala**.

Kerala officially launched the internet connectivity scheme KFON.

A) The Pinarayi Vijayan-led Kerala government officially launched the Kerala Fibre Optical Network (KFON), which is one of its flagship projects envisaged during the first term.

B) The KFON claims an internet speed from 10 Mbps to 10 Gbps and is planning to speed up the transition to 4G and 5G, once KFON is connected to mobile towers.

