

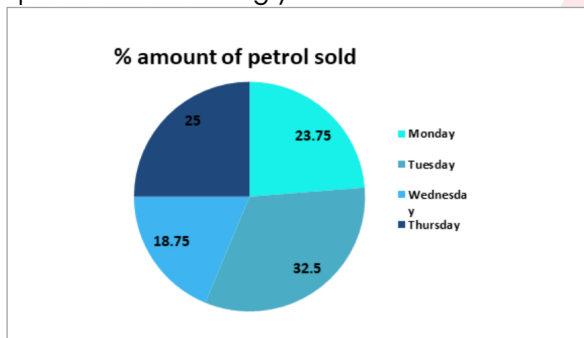
Q:1 Piyush gives 29% of his monthly income to 'A' and 16% of his monthly income is divided between 'B' and 'C' such that 'B' receives 43.5% of the amount received by 'B' and 'C' together. If 'C' receives Rs. 1,101 less than 37.5% of the amount received by 'A', then find the monthly income of Piyush.

1. Rs. 50,000
2. Rs. 60,000
3. Rs. 80,000
4. Rs. 70,000

Q:2 In a class, the number of boys is 10 more than that of girls. The average weight of a boy and a girl is 48 kg and 32 kg, respectively and the average weight of each student in the class is 41 kg. Find the total number of students (boys + girls) in the class.

1. 65
2. 80
3. 55
4. 34

Q:3 The pie chart below shows the percentage amount of petrol sold in four days in a particular dispensing machine. The table shows the price of petrol per liter on those four days. Study the following pie chart and the table and answer the questions accordingly



Day	Price of petrol (Rs./liter)
Monday	72
Tuesday	76
Wednesday	74
Thursday	73

If the total amount of sales on Monday

and Tuesday is Rs 50160 and on Friday, the price of petrol was the average price on the last four days. The total money collected after five days is Rs 110835, then what is the amount of petrol sold on Friday? (in liters)

1. 240
2. 280
3. 300
4. 320

Q:4 If each edge of a cube is increased by $33\frac{1}{3}\%$, find the percentage increase in its surface area.

1. 75%
2. 77.77%
3. 87%
4. 81.33%

Q:5 Solve for '?'.
 $(4/15) + (3/5) + ? = 15\% \text{ of } 60$

1. $122/15$
2. $121/5$
3. $123/15$
4. $127/9$

Q:6 If 30 persons take 10 days to complete a certain work by working 8 hours a day, then 40 persons should work how many hours a day so that the work is completed in 6 days?

1. 12
2. 8
3. 6
4. 10

Q:7 Find the sum for 3 years at the rate of 10% per annum if compound interest is Rs. 2400.

1. Rs. 7750.8
2. Rs. 7550.8
3. Rs. 7250.8
4. Rs. 7350.8

Q:8 Three-person A, B, and C running along a circular track which is border part of a circular park with an average speed of 6 km/hr, 4 km/hr, and 8 km/hr respectively. If the radius of the circular park is $42/11$ km, after what time will they meet again?

1. 8 hours



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2. 10 hours
3. 12 hours
4. 18 hours

Q:9 What will be the value of $\sin 75^\circ \times \sec 60^\circ$?

1. $\frac{(1+\sqrt{2}) \times \sqrt{3}}{2}$
2. 0
3. $\frac{(1+\sqrt{3}) \times \sqrt{2}}{2}$
4. -1

Q:10 G is the centroid of the triangle PQR, where PQ, QR and PR is 21 cm, 20 cm and 29 cm. Find the length of QG.

1. 23/3 cm
2. 29/3 cm
3. 29/5 cm
4. None of these

Q:11 The diameter of a circle is 30 cm. AB is a chord in the circle and AB subtends an angle of 60° at the centre of the circle. Find the length of chord AB.

1. 15 cm
2. 19 cm
3. 12 cm
4. 16 cm

Q:12 If $k = 9 + 2\sqrt{20}$, then find the value of $\sqrt{k} - \frac{1}{\sqrt{k}}$.

1. $-2\sqrt{4}$
2. 4
3. $-2\sqrt{5}$
4. $2\sqrt{5}$

Q:13 If $\sin \theta + \cos \theta = 3$ then, find the value of $\sin \theta - \cos \theta$.

1. $\sqrt{7}$
2. $\sqrt{-7}$
3. 4
4. 9

Q:14 If $x^3 + 1/x^3 = \sqrt{3}$, then find the value of

$$\frac{1+x^{24}+x^{36}+x^{54}}{7x^6-14}$$

1. $-5/14$
2. $7/4$
3. $-2/21$
4. $3/14$

Q:15 A distance is covered in 10 hours with a speed of 30 km/hr. What is the time taken to cover the same distance when the new speed 50 km/hr?

1. 5 hours
2. 6 hours
3. 7 hours
4. None of the above

Q:16 What is the fourth proportion of the numbers 13, 19, and 3653?

1. 5993
2. 5339
3. 5358
4. 5385

Q:17 Ajay buys four articles at the same price and he sold the first product at a profit of 15%, the second article at a loss of 10%, the third article at a profit of 20%, and the fourth article at a loss of 5%. Find his overall loss or profit%.

1. 5%
2. 4%
3. 2%
4. 1.5%

Q:18 At a stationery shop, the cost of 4 sharpeners and 3 pencils is Rs.71 and the cost of 3 sharpeners and 1 pencil is Rs.142, find the cost of 7 such sharpeners.

1. Rs. 497
2. Rs. 495
3. Rs. 794
4. Rs. 947

Directions 19 - 20 : Table given below shows the number of students playing two games i.e. football and cricket from two different class. Study the table carefully and answer the questions carefully.



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	Football	Cricket
Class A	350	250
Class B	180	320

Q:19 Find the number of total students who play football.

1. 530
2. 180
3. 600
4. 500

Q:20 If there are 800 students in total in class A and the number of students who play hockey is p, then find the value of p.

1. 300
2. 250
3. 350
4. 200

Q:21 A number, when divided by 296, leaves 75 as the remainder. When the same number is divided by 37, then the remainder will be:

1. 0
2. 2
3. 3
4. 1

Q:22 If $a + b + c = 7$ and $ab + bc + ca = 1$, then $a^3 + b^3 + c^3 - 3abc$ is equal to:

1. 322
2. 325
3. 422
4. 412

Q:23 The average of n numbers is 42. If 75% of the numbers are increased by 4 each and the remaining numbers are decreased by 8 each, then what is the average of the numbers, so obtained?

1. 43.8
2. 43
3. 42.5
4. 44

Q:24 The present age of the two persons differs by 16 years. 6 years ago, the elder person was 3 times

as old as the younger one. What is the present age of the elder person?

1. 42 years
2. 24 years
3. 36 years
4. 30 years

Q:25 In what ratio does a shopkeeper mix two varieties of rice costing Rs.15 and Rs.20 per kg respectively to get a mixture worth Rs 18.50 kg?

1. 4 : 3
2. 7 : 3
3. 3 : 4
4. 3 : 7

Q:26 'C @ D' means 'C is the husband of D'

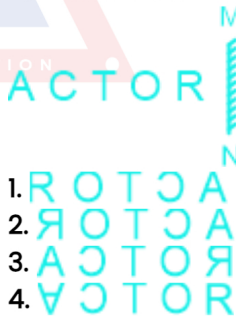
'C & D' means 'C is the mother of D'

'C # D' means 'C is the daughter of D'

If L & M @ N # O @ P, then how is M related to P?

1. Son-in-law
2. Brother-in-law
3. Mother-in-law
4. Father-in-law

Q:27 Select the correct mirror image of the given combination when the mirror is placed at the line 'MN' as shown



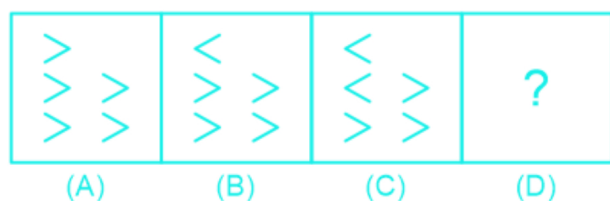
Q:28 Select the set in which the numbers are related in the same way as the numbers of the following sets.

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

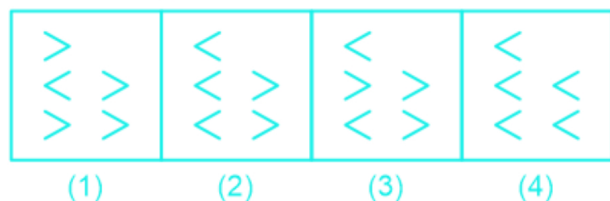
- (12, 32, 76)
(20, 15, 50)
1. (11, 22, 33)
2. (17, 28, 73)
3. (19, 25, 65)
4. (25, 18, 70)

Q:29 Select the figure that will come next in the following figure series.

Problem Figures:



Answer Figures:



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

Q:30 Select the number from among the given options that can replace the question mark(?) in the following series.

12, 14, 17, 22, 29, ?

1. 35
2. 40
3. 38
4. 45

Q:31 In the following question below are given some statements followed by some conclusions based on those statements. Taking 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 conclusion logically follows the given statements.

Statements:

- I. Some Tractor are JCB
II. All JCBs are Truck
Conclusion:
I. Some truck is JCB
II. Some tractors are trucks
1. Only conclusion II follows
2. Neither conclusion I nor II follows
3. Only conclusion I follows
4. Both conclusions I and II follow

Q:32 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.

22 : 748 :: 13 : ? :: 25 : 925

1. 328
2. 230
3. 430
4. 325

Q:33 Four letter clusters have been given out of which three are alike in some manner and one is different. Select the one that is different.

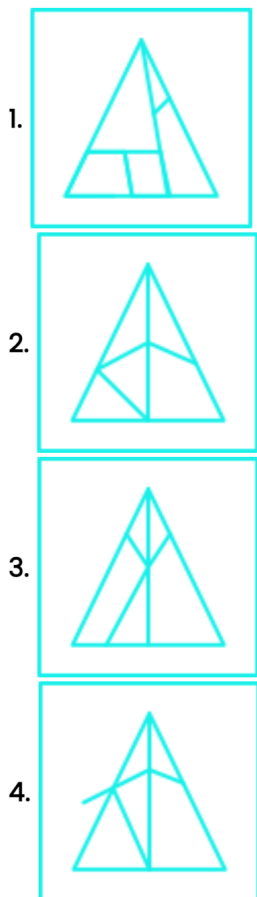
1. NPS
2. FHK
3. BDF
4. KMP

Q:34 In a certain code language, 'ARRIVAL' is written as 'RRAILAV', and 'REACHED' is written as 'AERCDEH'. How will 'CABINET' be written in that language?

1. BACITEN
2. ABCEINT
3. TENIBAC
4. ACIBENT

Q:35 Select the options figure that is embedded in the given figure.





Q:36 Select the option that is related to the fifth letter cluster in the same way as the second letter cluster is related to the first letter cluster and the fourth letter cluster is related to the third letter cluster.

PICK : RJEL :: GIFT : IJHU :: TRAP : ?

1. USBQ
2. SQZO
3. VSCQ
4. VTCR

Q:37 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Scarcity
2. Saffron
3. Savage
4. Sacred
5. Salesman
6. Stubborn

1. 4, 2, 1, 6, 5, 3
2. 4, 2, 5, 3, 1, 6
3. 1, 2, 3, 4, 5, 6
4. 6, 5, 4, 3, 2, 1

Q:38 If $A + B$ means that A is the brother of B, $A \times B$ means that A is the sister of B, $A \div B$ means that A is the father of B. Then which of the following expression shows that X is the aunt of Z?

1. $X \times Y \div Z$
2. $X \div Y + Z$
3. $X \div Y \times Z$
4. $X + Y \times Z$

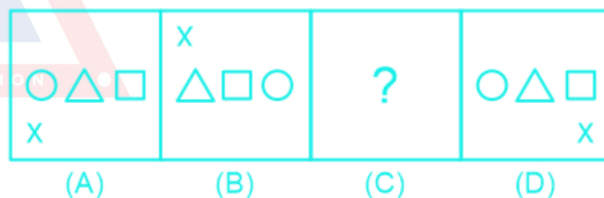
Q:39 Which letter cluster will replace the question mark (?) to complete the given series?

GAME, GEME, GIME, ?, GUME

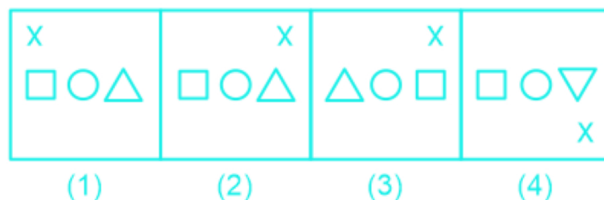
1. GMME
2. GNME
3. GOME
4. GPME

Q:40 Which figure should replace the question mark (?) if the series were to be continued?

Problem Figures:



Answer Figures:



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

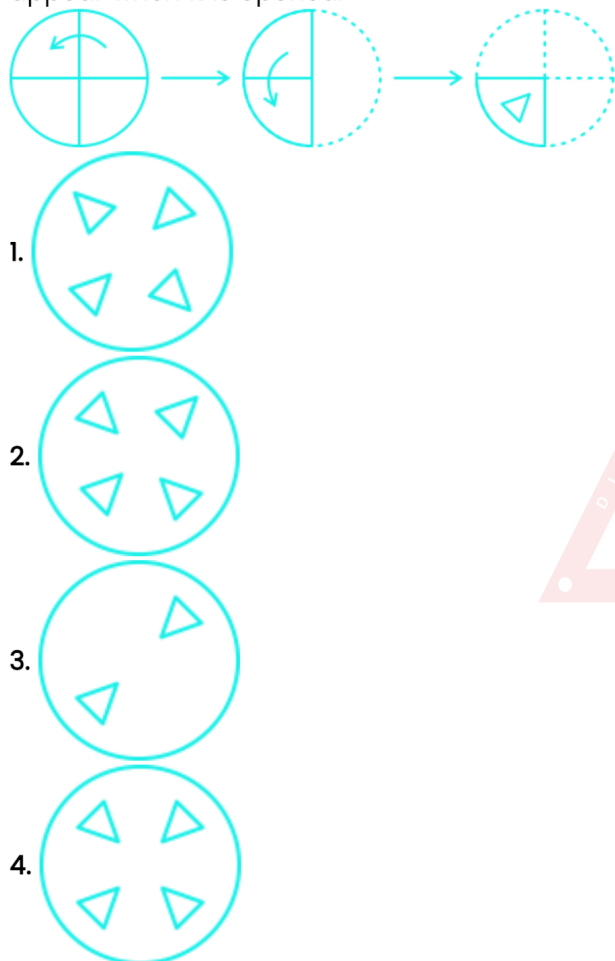
Q:41 Select the correct combination of

mathematical signs to sequentially replace the * signs and to balance the given equation.

$$225 * 2 * 15 * 20 * 8 = 18$$

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

Q:42 A piece of paper is folded and cut as shown below in the question figures from the given answer figures, indicating the pattern that it will appear when it is opened.



Q:43 Select the set in which the numbers are related in the same way as the numbers of the following set.

- (14, 5, 34)
(18, 9, 54)
1. (12, 15, 60)

2. (23, 6, 47)
3. (11, 7, 45)
4. (21, 2, 65)

Q:44 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some Kurta are pants
No pants are jeans
All jeans are T-shirts

Conclusions:

- I. Some Kurta are Jeans
 - II. All pants are T-shirts
1. Only Conclusion I follows
 2. Only Conclusion II follows
 3. Either conclusion I or II follows
 4. Neither conclusion I nor II follows

Q:45 Select the option that is related to the fifth word in the same way as the second word is related to the first word and the fourth word is related to the third word.

BREAK : WRECK :: QUIET : TRANQUIL :: DISTRESS : ?

1. CALM
2. HAPPY
3. ANXIETY
4. SOOTHE

Q:46 In a certain code language, 'PRANK' is coded as '60', and 'CREAM' is coded as '40'. How will 'SPEECH' be coded in that language?

1. 50
2. 52
3. 54
4. 56

Q:47 Which of the following interchanges signs would make the given equation correct?

$$576 \times 24 \div 14 + 58 - 26 = 368$$

1. \times and \div
2. $+$ and $-$
3. \times and $+$
4. $+$ and \div



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Q:48 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

CFM, EIQ, GLU, IOY, ?

1. KRC
2. CRK
3. RKC
4. DEF

Q:49 Select the odd group of numbers.

1. (15, 225, 220)
2. (7, 49, 42)
3. (8, 64, 56)
4. (11, 121, 116)

Q:50 By interchanging the given two signs and numbers (only LHS) which of the following equation will be not correct?

\times and $-$, 5 and 12

- I. $5 + 3 \times 12 - 2 \div 1 = 5$
- II. $5 \times 2 - 4 + 15 \div 12 = 10$

1. Both I and II
2. Only II
3. Neither I nor II
4. Only I

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'.

My son wishes if he was an astronaut.

1. No Improvement
2. has been
3. were
4. am

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'.

All the students have completed their homework half an hour ago.

1. completed
2. had completed
3. No Improvement
4. will have completed

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

We must explore _____ sources of energy as our supply of fossil fuel has been depleted.

1. alternate
2. guaranteed
3. natural
4. sufficient

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

Mahatma Gandhi was _____ man of great character.

1. the
2. whole
3. a
4. many

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

The central government has imposed heavy taxes on beverage items.

1. Heavy taxes had been imposed on beverage items by the central government.
2. Heavy taxes have been imposed on beverage items by the central government.
3. Heavy taxes were imposed on beverage items by the central government.
4. Heavy taxes are imposed on beverage items by the central government.

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

The teacher said to the students, "I will certainly take you on a science tour this week."

1. The teacher told to the students that he would certainly take them on a science tour that week.
2. The teacher told the students he would certainly take them on a science tour that week.
3. The teacher told the students that he would certainly take them on a science tour that week.
4. The teacher told the students that he would certainly take them on a science tour this week.

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

Put it on the cuff

1. On credit
2. Against his credit card
3. In his bank account
4. In his friend's account

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

Hold water

1. Does not deserve appreciation
2. Does not full fill the requirements
3. Cannot be believed
4. Cannot be valued

Q:59 Select the INCORRECTLY spelt word.

1. Acquire
2. Acquisitium
3. Acquittal
4. Acquitted

Q:60 Select the INCORRECTLY spelt word.

1. Acrimunious
2. Actually
3. Actuation
4. Addiction

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

GRAVE

1. Dead
2. Still
3. Serious
4. Sad

Q:62 Select the most appropriate SYNONYM of the given word.

AUGUST

1. Common
2. Ridiculous
3. Dignifies
4. Petty

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

UNITARY

1. Signal
2. Triple

3. Multiple

4. Double

Q:64 Select the most appropriate ANTONYM of the given word.

INEVITABLY

1. Avoidably
2. Mostly
3. Certainly
4. Expectedly

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

To spend winter in a dormant state

1. Migrate
2. Hibernate
3. Rejuvenate
4. Inundate

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

The animal that has four feet

1. Tetrapod
2. Quadrupe
3. Plopped
4. Double-Paired

Direction 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.

Immunization is a key component of _____(1)_____ health care and an indisputable human right. It's also one of the _____(2)_____ health investments money can buy. Vaccines are also _____(3)_____ to the prevention and control of _____(4)_____ disease outbreaks. They underpin global health security and will be a vital tool in the battle _____(5)_____ antimicrobial resistance.

Q:67 Select the most appropriate option to fill in the blank number (1).

1. first
2. supreme
3. primary
4. ultimate

Q:68 Select the most appropriate option to fill in



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the blank number (2).

1. good
2. best
3. better
4. well

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

1. norms
2. analytic
3. serious
4. critical

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

1. brutal
2. infectious
3. irresistible
4. infective

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

1. along
2. against
3. across
4. beside

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

A: It is the second-largest producer of cotton in India, due to which it was known as the 'Manchester of India' along with Kanpur.

B: Ahmedabad, also known as Karnavati, is the largest city and former capital of the Indian state of Gujarat.

C: Ahmedabad's stock exchange (before it was shut down in 2018) was the country's second oldest.

D: Ahmedabad has emerged as an important economic and industrial hub in India.

1. BDAC
2. DACB
3. BACD
4. DCBA

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

A: Some of which are nitrogen-fixing, which live in a wide variety of moist soils and water either freely or in a symbiotic relationship with plants or lichen-forming fungi.

B: Cyanobacteria are a group of photosynthetic bacteria.

C: Colonies may form filaments, sheets, or even hollow spheres.

D: They range from unicellular to filamentous and include colonial species.

1. CABD
2. BADC
3. CBAD
4. BACD

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

If medical waste is not managed scientifically, it can cause great harm with the environment and to human health.

1. managed scientifically, it can
2. environment and to human health
3. cause great harm with the
4. If medical waste is not

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

Rohit is little busy today so he can not go to the office on time.

1. busy today so
2. Rohit is little
3. the office on time
4. he can not go to

Q:76 _____ developed international trade theory in 1817 based on comparative advantage and specialisation.

1. Paul Krugman
2. Gary Becker
3. Milton Friedman
4. David Ricardo

Q:77 Which among the following is the outermost layer of human skin?

1. Epidermis
2. Dermis
3. Hypodermis



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English

4. Dermatics

Q:78 Who among the following has won the Golden Globe Award 2020 for "Best Performance by an Actor in a Motion Picture-Drama"?

1. Christian Bale
2. Adam Driver
3. Joaquin Phoenix
4. Jonathan Pryce

Q:79 Identify the type of wave in which the movement of the particles is parallel to the motion of the energy.

1. Longitudinal waves
2. Transverse waves
3. Surface waves
4. None of these

Q:80 Who takes over as the president in case of the sudden demise of him/her?

1. Vice President
2. Speaker of Lok Sabha
3. Chief Justice of India
4. Senior most member of the ruling party

Q:81 In January 2023, Lucile Randon, the world's oldest person, died at the age of 118. Which country did she belong to?

1. Greece
2. Finland
3. France
4. Germany

Q:82 The first session of the First Lok Sabha commenced in _____.

1. 1951
2. 1950
3. 1947
4. 1952

Q:83 Which of the following countries is not a G7 Member?

1. Canada
2. France
3. Germany
4. Russia

Q:84 _____ temple is built by the Rastrakutas Dynasty.

1. Kailash Temple
2. Kedarnath
3. Badrinath Temple
4. Omkareshwar Temple

Q:85 Which helpline was launched by The Uttar Pradesh State Road Transport Corporation (UPSRTC) for the safety of women?

1. Nirbhaya
2. Damini
3. Nishtha
4. Sabla

Q:86 Who are the winners of the Ramon Magsaysay Award 2018 from India, regarded as the Asian version of the Nobel Prize?

1. Bharat Vatwani and Sonam Wangchuk
2. Kailash Satyarthi and Arvind Kejriwal
3. Bhuwan Ribhu and Asmita Satyarthi
4. Nadia Murad and Juan Manuel Santos
5. None of the given option is true

Q:87 Who among the following leaders give the slogan- 'Satyameva Jayate'?

1. Hasrat Mohani
2. Madan Mohan Malviya
3. Lala Lajpat Rai
4. Bhagat Singh

Q:88 Who inaugurated India's Largest Business Jet Terminal In Kochi International Airport in December 2022?

1. Pinarayi Vijayan
2. Sri Narendra Modi
3. Droupadi Murmu
4. None of the above

Q:89 Who launched a generic version of a breast cancer drug in January 2023?

1. MSN
2. Bharat Biotech
3. SII
4. Cipla



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English

Q:90 Which among the following cities of India is called the "Coal Capital of India"?

1. Dhanbad
2. Jamshedpur
3. Durgapur
4. Surat

Q:91 In which among the following years was the Poona Pact signed?

1. 1932
2. 1942
3. 1911
4. 1919

Q:92 Which of the following dance forms is performed by devotees during the ceremonial worship of Murugan, the Tamil God of War?

1. Mayilattom
2. Therukoothu
3. Kavadi Aattam
4. Kummi

Q:93 In which among the following places is the "Nathu La" pass located in India?

1. Himachal Pradesh
2. Uttarakhand
3. Sikkim
4. Uttar Pradesh

Q:94 In January 2023, ASI discovered two 1200-year-old miniature stupas at which place?

1. Gaya
2. Vaishali
3. Siwan
4. Nalanda

Q:95 Sigma bond is formed by the overlap of which of the following orbitals?

1. s-s orbitals
2. s-p orbitals
3. s-d orbitals
4. All of the above

Q:96 Who flagged off India's sixth Vande Bharata train on the Nagpur-Bilaspur route in December 2022?

1. PM Narendra Modi
2. Eknath Shinde
3. Devendra Fadnavis
4. Nitin Gadkari

Q:97 Who attacked and looted the famous Somnath temple in 1025 AD?

1. Muhammad Ghori
2. Mahmud of Ghazni
3. Genghis Khan
4. Nadir Shah

Q:98 Which among the following is the smallest district of India?

1. Mahe
2. Panjim
3. Gangtok
4. Ropar

Q:99 _____ is the study of ancient plants, like mosses, that grow in moist, humid environments.

1. Ethnobotany
2. Bryology
3. Palynology
4. Dendrology

Q:100 In December 2022, how many Himalayan medicinal plants entered the IUCN Red List?

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



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Answer Key

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

Answers and Solutions

Q:1 The correct answer is **option A** i.e. **Rs. 60,000**.

Let the monthly income of Piyush be Rs. '100x'.

Amount received by 'A' = $0.29 \times 100x$ = Rs. '29x'

Amount received by 'B' and 'C' together = $0.16 \times 100x$ = Rs. '16x'

Amount received by 'B' = $(16x \times 0.435)$ = Rs. '6.96x'

Amount received by 'C' = $(16x - 6.96x)$ = Rs. '9.04x'

ATQ,

$$9.04x + 1101 = 0.375 \times 29x$$

$$\text{Or, } 9.04x + 1101 = 10.875x$$

$$\text{Or, } 1101 = 1.835x$$

$$\text{So, } x = 600$$

$$\text{So, monthly income of Piyush} = 100x = 100 \times 600 = \text{Rs. 60,000}$$

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

Let the number of girls in the class = 'x'

Then, number of boys in the class = $(x + 10)$

Total weight of all boys in the class = $(x + 10) \times 48$ = $(48x + 480)$ kg

Total weight of all girls in the class = $x \times 32$ = $32x$ kg

So, total weight of all the students in the class = $(48x + 32x + 480) = (80x + 480)$ kg

Also, total weight of all the students in the class = $(x + x + 10) \times 41 = (82x + 410)$ kg

$$\text{So, } 80x + 480 = 82x + 410$$

$$\text{Or, } x = (70/2) = 35$$

$$\text{So, total number of students in the class} = x + x + 10 = 35 + 35 + 10 = 80$$

Q:3 The correct answer is **Option 3** i.e. **300**

Let the total amount of petrol sold in four days together be x liters

$$\text{Amount of petrol sold on Monday} = 23.75/100 \times x = 0.2375x$$

$$\text{Amount of petrol sold on Tuesday} = 32.5/100 \times x = 0.325x$$

$$\text{Price of petrol sold on Monday} = 0.2375x \times 72 = 17.1x$$

$$\text{Price of petrol sold on Tuesday} = 0.325x \times 76 = 24.7x$$

$$\text{Total amount of sales} = 17.1x + 24.7x$$

$$50160 = 41.8x$$

$$x = 1200 \text{ liters}$$

$$\text{Amount of petrol sold on Wednesday} = 18.75/100 \times 1200 = 225 \text{ liters}$$

$$\text{Price of petrol sold on Wednesday} = 225 \times 74 = \text{Rs } 16650$$

$$\text{Amount of petrol sold on Thursday} = 25/100 \times 1200 = 300 \text{ liters}$$

$$\text{Price of petrol sold on Thursday} = 300 \times 73 = \text{Rs } 21900$$

$$\text{Total amount collected on all four days} = 50160 + 16650 + 21900$$

$$\Rightarrow \text{Rs } 88710$$

$$\text{Price of petrol on Friday} = \text{Average of four day}$$

$$\Rightarrow (72 + 76 + 74 + 73) / 4$$

$$\Rightarrow \text{Rs } 73.75$$

$$\text{Remaining amount to be collected} = 110835 - 88710$$

$$\Rightarrow 22175$$

$$\text{Amount of petrol to be sold} = 22175/73.75$$

$$\Rightarrow 300 \text{ liters}$$

Q:4 The correct answer is **option 2** i.e. **77.77%**.

Let the edge = a cm

$$\text{So increase by } 33 \frac{1}{3}\% = a + a/3 = 4a/3$$

$$\text{Total surface area of original cube} = 6a^2$$

$$\text{TSA of a new cube} = 6(4a/3)^2 = 96a^2/9 = 32a^2/3$$

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Increase in area = $(32a^2/3) - 6a^2 = 14a^2/3$
Increase in % = $(14a^2/3)/6a^2 \times 100 = 77.77\%$

Q:5 The correct answer is **option 1** i.e. **122/15**

$\Rightarrow (4/15) + (3/5) + ? = 15\% \text{ of } 60$
 $\Rightarrow (4/15) + (3/5) + ? = (15/100) \times 60$
 $\Rightarrow (4 + 9)/15 + ? = 9$
 $\Rightarrow 13/15 + ? = 9$
 $\Rightarrow ? = 9 - 13/15 = 122/15$

Q:6 The correct answer is **Option 4** i.e. **10**.

$M_1D_1H_1/W_1 = M_2D_2H_2/W_2$

where,

M = Men

D = Days

H = Hours

W = Work

Given 30 persons take 10 days to complete a certain work working 8 hours a day.

$M_1 = 30, D_1 = 10, H_1 = 8, W_1 = 1$

$M_2 = 40, D_2 = 6, W_2 = 1, H_2 = ?$

Applying the formula:

$30 \times 10 \times 8 = 40 \times 6 \times H_2$

$\Rightarrow H_2 = 2400/240$

$\Rightarrow H_2 = 10$

Hence, 10 hours is the answer.

Q:7 The correct answer is **Option 3** i.e. **Rs. 7250.8**.

Compound Interest = Rs. 2400

Rate of interest = 10%

Time = 3 years

C.I. (Compound interest) = $P[(1 + R/100)^T - 1]$

Let the Sum of money be P

$\Rightarrow 2400 = P[(1 + 10/100)^3 - 1]$

$\Rightarrow 2400 = P[(11/10)^3 - 1]$

$\Rightarrow 2400 = P[(1331/1000) - 1]$

$\Rightarrow 2400 = P[331/1000]$

$\Rightarrow P = 2400 \times (1000/331)$

$\Rightarrow P = \text{Rs. } 7250.8$

Q:8 The correct answer is **option 3** i.e. **12 hours**

Speed_A = 6 km/hr

Speed_B = 4 km/hr

Speed_C = 8 km/hr

Perimeter of circular park = Circular track distance
= $2\pi r$

$r = (42/11) \text{ km}$

So,

Circular track distance = $2\pi r = 2 \times 22/7 \times 42/11 = 24 \text{ km}$

$D_A = D_B = D_C = 24 \text{ km}$

To covered 1 round of the circular track

A's time = $24/6 = 4 \text{ hr}$

B's time = $24/4 = 6 \text{ hr}$

C's time = $24/8 = 3 \text{ hr}$

LCM of A's time, B's time and C's time is next meeting time of all three's

LCM of 4, 6 and 3 = 12 hr

Hence,

After 12 hr they meet again.

Q:9 The correct answer is **option 3** i.e. $\frac{(1+\sqrt{3}) \times \sqrt{2}}{2}$

We can write $\sin 75^\circ = \sin(30^\circ + 45^\circ)$

Using formula-

$\sin(A + B) = \sin A \cos B + \cos A \sin B$

$\sin(30^\circ + 45^\circ) = \sin 30^\circ \cos 45^\circ + \cos 30^\circ \sin 45^\circ$

$\sin(30^\circ + 45^\circ) = (\frac{1}{2} \times \frac{1}{\sqrt{2}}) + (\frac{\sqrt{3}}{2} \times \frac{1}{\sqrt{2}})$

$\Rightarrow \frac{1}{2\sqrt{2}} + \frac{\sqrt{3}}{2\sqrt{2}}$

$\Rightarrow \frac{(1+\sqrt{3})}{2\sqrt{2}}$

$\Rightarrow \frac{(1+\sqrt{3})}{2\sqrt{2}} \times \frac{\sqrt{2}}{\sqrt{2}}$

$\Rightarrow \frac{(1+\sqrt{3}) \times \sqrt{2}}{4}$

Now, the value of $\sin 75^\circ \times \sec 60^\circ$

$\Rightarrow \frac{(1+\sqrt{3}) \times \sqrt{2}}{4} \times 2$

$\Rightarrow \frac{(1+\sqrt{3}) \times \sqrt{2}}{2}$

Q:10 The correct answer is **option 2** i.e. **29/3 cm**.

Since, $PR^2 = PQ^2 + QR^2$

So, PQR is a right angled triangle.

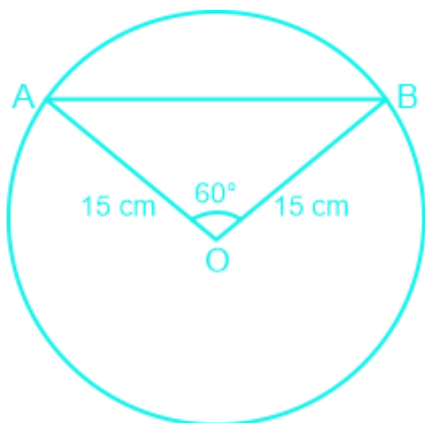
Length of median through the vertex Q = $29/2 \text{ cm}$

So, length of QG = $2/3 \times 29/2 = 29/3 \text{ cm}$

Q:11 The correct answer is **option 1** i.e. **15 cm**

Given, diameter = 30 cm

So, radius = $(30/2) = 15 \text{ cm}$



In the given figure, let 'O' represent the centre of the circle.

We have, $OB = OA = 15$ cm (radii of the circle)

Since, $\angle AOB = 60^\circ$

So, $\angle OAB = \angle ABO = (180 - 60) \div 2 = 60^\circ$

So, $\angle OAB$ is an equilateral triangle.

Therefore, $AB = AO = OB = 15$ cm

Q:12 The correct answer is **option 2** i.e. 4

$$k = 9 + 2\sqrt{20}$$

$$k = (\sqrt{4} + \sqrt{5})^2$$

$$\sqrt{k} = (\sqrt{5} + \sqrt{4})$$

$$1/\sqrt{k} = \frac{1}{\sqrt{5} + \sqrt{4}} \times \frac{\sqrt{5} - \sqrt{4}}{\sqrt{5} - \sqrt{4}}$$

$$= (\sqrt{5} - \sqrt{4})$$

$$\sqrt{k} - \frac{1}{\sqrt{k}} = (\sqrt{5} + \sqrt{4}) - (\sqrt{5} - \sqrt{4})$$

$$= 4$$

Q:13 The correct answer is **option 2** i.e. $\sqrt{-7}$

Using the concept that,

$$\text{If } \sin\theta + \cos\theta = k$$

$$\text{then, } \sin\theta - \cos\theta = \sqrt{2 - k^2}$$

Now, according to the question-

$$\sin\theta + \cos\theta = 3 \text{ then,}$$

$$\sin\theta - \cos\theta = \sqrt{2 - 3^2} = \sqrt{2 - 9} = \sqrt{-7}$$

Q:14 The correct answer is **option 3** i.e. $-2/21$.

$$x^3 + 1/x^3 = \sqrt{3}$$

$$x^6 = -1$$

$$\text{So, the value of } \frac{1 + x^{24} + x^{36} + x^{54}}{7x^6 - 14}$$

$$\begin{aligned} &= \frac{1 + (x^6)^4 + (x^6)^6 + (x^6)^9}{7(x^6 - 2)} \\ &= \frac{1 + (-1)^4 + (-1)^6 + (-1)^9}{7(-1 - 2)} \\ &= -2/21 \end{aligned}$$

Q:15 The correct answer is **option 2** i.e. 6 hours.

Given:

Initial speed = 30 km/hr

Time = 10 hours

Final speed = 50 km/hr

Concept Used:

$$\text{Distance} = \text{speed} \times \text{time} \quad \dots(i)$$

Explanation:

Using the formula in equation (i), we get

$$\text{Distance} = 30 \times 10 = 300 \text{ km}$$

Now, time taken to cover this distance at 50 km/hr speed,

$$\Rightarrow \text{time} = \frac{300}{50} = 6 \text{ hours}$$

Hence the time taken to cover the distance at the speed of 50 km/hr is 6 hours.

Q:16 The correct answer is **option 2** i.e. 5339.

In $a : b :: c : d$

Fourth proportional of a, b, and c (i.e. d) = $(c \times b)/a$

Fourth proportional of 13, 19, and 3653 = $(3653 \times 19)/13 = 281 \times 19 = 5339$

Q:17 The correct answer is **option 1** i.e. 5%.

If the cost price of all the products bought is the same and they are sold at different losses and profits then, we can directly find the overall loss or profit using the trick

Trick:- write the profit and loss that occurred (+ sign indicates profit and - sign indicates loss) and divide them by the number of products

Applying the trick in the given question

$$\text{Profit or loss\%} = (15 - 10 + 20 - 5)/4$$

$$\text{Profit or loss\%} = 20/4 = 5\% \text{ (the value is positive)}$$

Hence, the profit will be 5%

Q:18 The correct answer is **option 1** i.e. Rs. 497.

we can write the given data in the form of equations as

$$\Rightarrow 4S + 3P = 71 \dots(1)$$

$$\Rightarrow 3S + 1P = 142 \dots (2)$$

Multiply eq (2) by 3 we get

$$\Rightarrow -9S + 4S = -426 + 71$$

$$\Rightarrow 5S = 355$$

$$\Rightarrow S = \text{Rs. } 71$$

Hence, the cost of 7 such sharpeners will be $(7 \times 71) = \text{Rs. } 497$

Q:19 The correct answer is **option 1** i.e. **530**.

Calculations:

Number of students from class A who play football = 350

Number of students from class B who play football = 180

$$\text{Required sum} = 350 + 180 = 530$$

Q:20 The correct answer is **option 4** i.e. **200**.

Calculations:

Number of students in class A (play football) = 350

Number of students in class A (play cricket) = 250

Number of students in class A (play hockey) = p

Total number of students = 800

$$\Rightarrow 350 + 250 + p = 800$$

$$\Rightarrow p = 800 - 600$$

$$\Rightarrow p = 200$$

Q:21 The correct answer is **Option 4** i.e. **1**.

Let the number be x

So,

$$\Rightarrow x = (296q + 75) \text{ Or,}$$

$$\Rightarrow x = (37 \times 8)q + (37 \times 2) + 1$$

$$\Rightarrow 37(8q + 2) + 1$$

So, when the number divided by 37, the remainder = 1

Hence, remainder is 1.

Q:22 The correct answer is **option 1** i.e. **322**.

$$\Rightarrow a^3 + b^3 + c^3 - 3abc = (a + b + c)[(a + b + c)^2 - 3(ab + bc + ca)]$$

Given,

$$\Rightarrow (a + b + c) = 7 \text{ and,}$$

$$\Rightarrow (ab + bc + ca) = 1$$

Applying the formula:

$$\Rightarrow a^3 + b^3 + c^3 - 3abc = 7 \times (49 - 3 \times 1)$$

$$\Rightarrow (7 \times 46) = 322$$

Q:23 The correct answer is **option 2** i.e. **43**

The average of n numbers is 42.

So,

Sum of numbers = $42n$

75% of the numbers are increased by 4 each and the remaining numbers are decreased by 8 each.

So,

New average

$$= [42n + 0.75n \times 4 - 0.25n \times 8] / n$$

$$= [42n + 3n - 2n] / n$$

$$= 43$$

Q:24 The correct answer is **option 4** i.e. **30 years**.

Let, the present age of the elder one be x years

So, Younger person = $(x - 16)$ years [Given]

Now, 6 years before,

$$\Rightarrow (x - 6) = 3(x - 16 - 6)$$

$$\Rightarrow (x - 6) = (3x - 48 - 18)$$

$$\Rightarrow 2x = 60$$

$$\Rightarrow x = 30$$

Hence, Present age of elder one = $x = 30$ years

Q:25 The correct answer is **option 4** i.e. **3 : 7**.

$$\Rightarrow (18.50 - 20) = -1.5 = 1.5$$

$$\Rightarrow (18.5 - 15) = 3.5$$

$$\text{Ratio} = 1.5 : 3.5 = 15 : 35 = 3 : 7$$

Or, By equation method

$$\Rightarrow 15x + 20y = 18.50(x + y)$$

$$\Rightarrow 15x + 20y = 18.5x + 18.5y$$

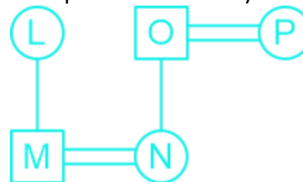
$$\Rightarrow 1.5y = 3.5x$$

$$\Rightarrow x/y = 1.5/3.5 = 3/7$$

$$\Rightarrow x : y = 3 : 7$$

Q:26 The correct answer is **Option 1** i.e. **Son-in-law**

The possible family tree is,



From the above figure, M is the son-in-law of P.

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

Q:27 The correct answer is **Option 2** i.e.

ЯОТᄁA

The mirror image of the question figure is shown

below:



Since the mirror is placed right to the question figure, the right-hand side of the original image will be now the left-hand side of the mirror image. Hence, **Option 2** is the correct answer.

Q:28 The correct answer is **Option 2** i.e. (17, 28, 73)

The logic used here is:

(12, 32, 76)

$(12 \times 1) + (32 \times 2) = 12 + 64 = 76$

(20, 15, 50)

$(20 \times 1) + (15 \times 2) = 20 + 30 = 50$

Similarly,

(17, 28, 73)

$(17 \times 1) + (28 \times 2) = 17 + 56 = 73$

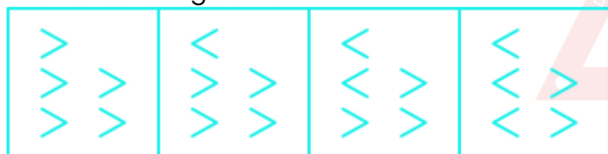
Hence, the correct answer is (17, 28, 73).

Q:29 The correct answer is **Option 2** i.e. 2

The logic used here is:

In each step, one of the elements gets laterally inverted.

The series of figures are:



Hence, the correct answer is 2.

Q:30 The correct answer is **Option 2** i.e. 40

Given series: 12, 14, 17, 22, 29, ?

The series follows this pattern:

$12 + 2 = 14$

$14 + 3 = 17$

$17 + 5 = 22$

$22 + 7 = 29$

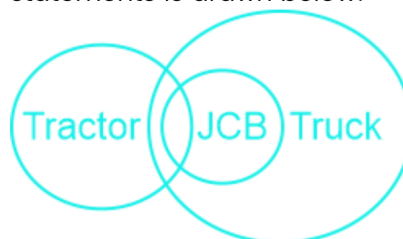
$29 + 11 = 40$

So, the correct answer is 40.

Q:31 The correct answer is **Option 1** i.e. Both conclusions I and II follow

The least possible Venn Diagram for the given

statements is drawn below:



Conclusions:

I. Some truck is JCB → **True** (As All JCBs are Truck so some truck is JCB is true)

II. Some tractors are trucks → **True** (As Some Tractor are JCB and All JCBs are Truck so some tractors are trucks is true)

Hence, the correct answer is **Both conclusions I and II follow**.

Q:32 The correct answer is **Option 4** i.e. 325

The logic used here is:

22 : 748

$22 \times (22 + 12) = 22 \times 34 = 748$

25 : 925

$25 \times (25 + 12) = 25 \times 37 = 925$

Similarly,

13 : ?

$13 \times (13 + 12) = 13 \times 25 = 325$

Hence, 325 is the correct answer.

Q:33 The correct answer is **Option 3** i.e. BDF

The logic used here is:

1st letter + 2 = 2nd letter

2nd letter + 3 = 3rd letter

1. NPS = N + 2 = P, P + 3 = S

2. FHK = F + 2 = H, H + 3 = K

3. BDF = B + 2 = D, D + 3 = G

4. KMP = K + 2 = M, M + 3 = P

Except for Option 3, all other options follow the logic.

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

Q:34 The correct answer is **Option 1** i.e. BACITEN

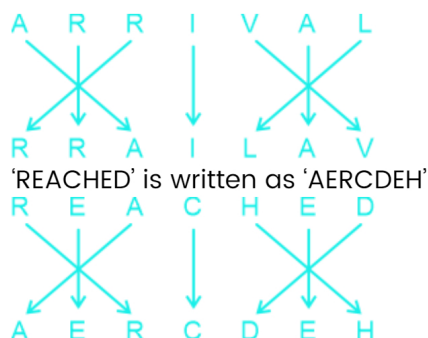
The logic used here is:

'ARRIVAL' is written as 'RRAILAV'

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Similarly;
Code for the word CABINET,
C A B I N E T
B A C I T E N
Hence, the correct answer is **BACITEN**.

Q:35 The correct answer is **Option 1** i.e.



The figure in Option 1 is embedded in the given figure, as shown below:



Hence, the correct answer is **Option 1**.

Q:36 The correct answer is **Option 3** i.e. **VSCQ**

The logic used here is:

PICK : RJEL

$P + 2 = R$

$I + 1 = J$

$C + 2 = E$

$K + 1 = L$

GIFT : IJHU

$G + 2 = I$

$I + 1 = J$

$F + 2 = H$

$T + 1 = U$

Similarly,

TRAP : ?

$T + 2 = V$

$R + 1 = S$

$A + 2 = C$

$P + 1 = Q$

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

Q:37 The correct answer is **Option 2** i.e. **4, 2, 5, 3, 1, 6**

In this question, you need to arrange the words as they would appear in the English dictionary.

4. **Sacred**

2. **Saffron**

5. **Salesman**

3. **Savage**

1. **Scarcity**

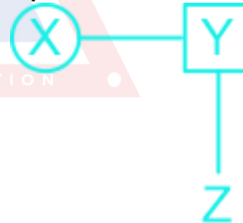
6. **Stubborn**

Hence, the correct answer is **4, 2, 5, 3, 1, 6**.

Q:38 The correct answer is **Option 1** i.e. $X \times Y \div Z$

The possible diagram is,

Option 1: $X \times Y \div Z$



As we get our answer, so there is no need to check further options.

Hence, the correct answer is $X \times Y \div Z$.

Q:39 The correct answer is **Option 3** i.e. **GOME**

Given series: GAME, GEME, GIME, ?, GUME

The series follows this pattern:

The second letter in the series is vowels starting from A. So, the fourth cluster will have O as the second letter.

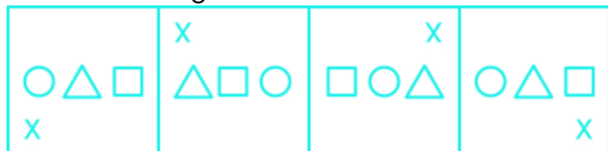
So, the missing term in the series is **GOME**

Q:40 The correct answer is **Option 2** i.e. **2**

The logic used here is:

In each step, the cross 'x' moves to the adjacent corner in a clockwise direction, the middle and the RHS elements in the middle row move one space to the left and the LHS element moves to the RHS position.

The series of figures are:



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

Q:41 The correct answer is **Option 1** i.e. $\times, \div, -, +$

Given equation: $225 \times 2 \div 15 - 20 + 8 = 18$

Option 1: $\times, \div, -, +$

After using the signs,

$$225 \times 2 \div 15 - 20 + 8 = 18$$

$$= 15 \times 2 - 20 + 8$$

$$= 30 - 20 + 8$$

$$= 38 - 20$$

$$= 18 \text{ is equal to } 18.$$

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

Hence, the correct answer is $\times, \div, -, +$.

Q:42 The correct answer is **Option 4** i.e.



After unfolding, the paper will appear as follows:



When the paper is unfolded the same pattern of cutting will appear on the rest of the paper.

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

Q:43 The correct answer is **Option 2** i.e. **(23, 6, 47)**

The logic used here is:

(14, 5, 34)

$$14 + 5 + (5 \times 3) = 14 + 5 + 15 = 34$$

(18, 9, 54)

$$18 + 9 + (9 \times 3) = 18 + 9 + 27 = 54$$

Similarly,

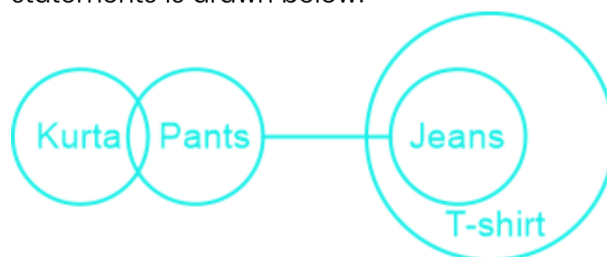
(23, 6, 47)

$$23 + 6 + (6 \times 3) = 23 + 6 + 18 = 47$$

Hence, the correct answer is **(23, 6, 47)**.

Q:44 The correct answer is **Option 4** i.e. **Neither conclusion I nor II follows**

The least possible Venn Diagram for the given statements is drawn below:



Conclusions:

I. Some Kurta are Jeans → **False** (It is possible but not definite)

II. All pants are T-shirts → **False** (It is possible but not definite)

Hence, the correct answer is **Neither conclusion I nor II follows**.

Q:45 The correct answer is **Option 3** i.e. **ANXIETY**

The logic used here is:

BREAK : WRECK

WRECK is the synonym of BREAK.

QUIET : TRANQUIL

TRANQUIL is the synonym of QUIET.

Similarly,

DISTRESS : ?

ANXIETY is the synonym of DISTRESS.

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

Q:46 The correct answer is **Option 4** i.e. **56**

The logic used here is:

'PRANK' is coded as '60'

$$\text{PRANK} = 16 + 18 + 1 + 14 + 11 = 60$$

'CREAM' is coded as '40'

$$\text{CREAM} = 3 + 18 + 5 + 1 + 13 = 40$$

Similarly;

Code for the word SPEECH,

$$\text{SPEECH} = 19 + 16 + 5 + 5 + 3 + 8 = 56$$

Hence, the correct answer is **56**.



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Q:47 The correct answer is **Option 1** i.e. \times and \div

Given equation: $576 \times 24 \div 14 + 58 - 26 = 368$

Option 1: \times and \div

After interchanging the expression becomes:

$$576 \div 24 \times 14 + 58 - 26 = 368$$

$$= 24 \times 14 + 58 - 26$$

$$= 336 + 58 - 26$$

$$= 394 - 26$$

= **368** is equal to 368.

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

Hence, the correct answer is \times and \div .

Q:48 The correct answer is **Option 1** i.e. **KRC**

Given series: CFM, EIQ, GLU, IOY, ?

The series follows this pattern:

CFM, EIQ

$$C + 2 = E$$

$$F + 3 = I$$

$$M + 4 = Q$$

Similarly;

IOY, ?

$$I + 2 = K$$

$$O + 3 = R$$

$$Y + 4 = C$$

So, the next term in the series is **KRC**.

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

Q:49 The correct answer is **Option 3** i.e. **(8, 64, 56)**

The logic used here is:

$$(\text{1st number})^2 = \text{2nd number}$$

$$\text{2nd number} - 5 = \text{3rd number}$$

$$1. (15, 225, 220) = (15)^2 = 225, 225 - 5 = 220$$

$$2. (7, 49, 42) = (7)^2 = 49, 49 - 5 = 42$$

$$3. (8, 64, 56) = (8)^2 = 64, 64 - 5 = 59$$

$$4. (11, 121, 116) = (11)^2 = 121, 121 - 5 = 116$$

Except for (8, 64, 56), all other options follow the logic.

Hence, the correct answer is **(8, 64, 56)**.

Q:50 The correct answer is **Option 2** i.e. **Only II**

Given equation:

$$I. 5 + 3 \times 12 - 2 \div 1 = 5$$

$$II. 5 \times 2 - 4 + 15 \div 12 = 10$$

Given conditions: \times and $-$, 5 and 12

After interchanging the expression becomes:

$$I. 12 + 3 - 5 \times 2 \div 1 = 5$$

$$= 12 + 3 - 5 \times 2$$

$$= 12 + 3 - 10$$

$$= 15 - 10$$

$$= 5 \text{ is equal to } 5$$

$$II. 12 - 2 \times 4 + 15 \div 5 = 10$$

$$= 12 - 8 + 3$$

$$= 15 - 8$$

$$= 7 \text{ is not equal to } 10$$

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

Q:51 The correct answer is option 3 i.e. **were**.

- '**were**' is used if the state of being you are describing is in no way the current reality.
- In the case of hypothetical sentences '**were**' is used even with a singular subject.
- The chosen option follows the given rules hence, it will **IMPROVE** the statement correctly.

Correct Sentence:-

*My son wishes if he **were** an astronaut.*

Q:52 The correct answer is option 1 i.e. **completed**.

- There is an adverb '**Ago**' that shows simple past tense.
- For maintaining the time and tense of the statement we need to keep the verb in the simple past tense (**completed**).
- The chosen option follows the given rules hence, it will **IMPROVE** the statement correctly.

Correct Sentence:-

All the students **completed** their homework half an hour ago.

Q:53 The correct answer is **option 1** i.e. **alternate**.

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

- **alternate**- happening or following regularly one after the other.
- **guaranteed**- to promise that something will be done or will happen.
- **natural**- existing in nature; not made or caused by human beings.
- **sufficient**- as much as is necessary; enough.

As the current source of energy are on the verge of

ending we need to find out alternate energy for the future.

The sense is hidden in the given statement hence, the chosen option will be correct.

The correct sentence will be-

We must explore alternate sources of energy as our supply of fossil fuel has been depleted.

Q:54 The correct answer is **option 3** i.e. **a**.

- 'A man of great character' is a phrase that means 'an outstanding person'.
- Hence, the chosen option will complete a phrase hence, it will be correct.

Correct Sentence:-

Mahatma Gandhi was a man of great character.

Q:55 The correct answer is **option 2** i.e. **Heavy taxes have been imposed on beverage items by the central government.**

Active voice- Subject + has/have + v3 + object + other words.

Passive voice- Object + has/have + been + 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 teacher told the students that he would certainly take them on a science tour that week.**

- As the reported speech is in 'Assertive sentence' we need to make changes according to this.
- There will be a change in the reporting verb and it will be changed into 'Told'.
- 'That' will be used at the place of the 'Inverted comma'.
- 'Will' should be changed into 'Would'.
- 'This' will be changed into 'That'.

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

Q:57 The correct answer is **option 1** i.e. **On credit.**

The meaning of the given idiom is:-

Put it on the cuff- On credit.

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 3** i.e. **Cannot be believed.**

The meaning of the given idiom is:-

Hold water- Cannot be believed.

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 2** i.e. **Acquisition.**
Let's have a look at the meaning of the given options:-

- **Acquire-** to obtain or buy something.
- **Acquisition-** the act of obtaining or buying something.
- **Acquittal-** an official decision in a court of law that someone is not guilty of a particular crime.
- **Acquitted-** to state formally that a person is not guilty of a crime.

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

Q:60 The correct answer is **option 1** i.e. **Acrimunious.**

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

- **Acrimunious-** angry and including strong accusations.
- **Actually-** really; in fact.
- **Actuation-** the action of causing a machine or device to operate.
- **Addiction-** the need or strong desire to do or to have something.

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

Q:61 The correct answer is **option 3** i.e. **Serious.**

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

- **Grave-** bad or serious.
- **Dead-** no longer alive.
- **Still-** continuing until now or until the time you are talking about and not finishing.
- **Serious-** bad or dangerous.
- **Sad-** unhappy or causing somebody to feel unhappy.

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



Date : 7th Jan 2024

Weekly SSC Mock Test

English

Q:62 The correct answer is **option 3** i.e. **Dignifies**.
Let's have a look at the meaning of the given options:-

- **August**- respected and impressive.
- **Common**- happening or found often or in many places; usual.
- **Ridiculous**- very silly or unreasonable.
- **Dignifies**- make (something) seem worthy and impressive.
- **Petty**- small and unimportant.

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

Q:63 The correct answer is **option 3** i.e. **Multiple**.
Let's have a look at the meaning of the given options:-

- **Unitary**- relating to a unit or units.
- **Signal**- a sign, action or sound that sends a particular message.
- **Triple**- having three parts, happening three times or containing three times as much as usual.
- **Multiple**- involving many people or things or having many parts.
- **Double**- twice as much or as many (as usual).

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

Q:64 The correct answer is **option 1** i.e. **Avoidably**.
Let's have a look at the meaning of the given options:-

- **Inevitably**- in a way that cannot be avoided.
- **Avoidably**- In a manner so as to be avoidable.
- **Mostly**- in almost every case; almost all the time.
- **Certainly**- (used in answer to questions) of course.
- **Expectedly**- an expected way.

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

Q:65 The correct answer is **option 2** i.e. **Hibernate**.
Let's have a look at the meaning of the given options:-

- **Migrate**- (used about animals and birds) to

travel from one part of the world to another at the same time every year.

- **Hibernate**- (used about animals) to spend the winter in a state like deep sleep.
- **Rejuvenate**- to make somebody/something feel or look younger.
- **Inundate**- to give or send somebody so many things that he/she cannot deal with them all.

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

- **Tetrapod**- a four-footed animal, especially a member of a group that includes all vertebrates higher than fishes.
- **Quadruped**- any creature with four feet.
- **Plopped**- to fall making a plopping noise.
- **Double**- Paired- a set of two cards of the same denomination together with another matched set of different denomination from the first.

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

- **primary**- most important; main.
- **first**- coming before all others; that has not happened before.
- **supreme**- the highest or greatest possible.
- **ultimate**- being or happening at the end; last or final.

'Primary' which means 'most important; main' fits the context appropriately.

Hence, the chosen option will be correct.

Q:68 The correct answer is **option 2** i.e. **best**.

- **'The'** is used before the superlative degree form of the adjective.
- There is an article **'The'** before the blank hence, the chosen option **'Best'** will suit the context appropriately.

Hence, the chosen option will be correct.

Q:69 The correct answer is **option 4** i.e. **critical**.

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

- **critical**- very important; at a time when things can suddenly become better or worse.
- **norms**- something that is usual, typical, or standard.
- **analytic**- true by virtue of the meaning of the words or concepts used to express it, so that its denial would be a self-contradiction.
- **serious**- bad or dangerous.

'Critical' which means 'very important' fits the context appropriately.

Hence, the chosen option will be correct.

Q:70 The correct answer is **option 2** i.e. **infectious**.

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

- **infectious**- (used about a disease, illness, etc.) that can be easily passed on to another person.
- **brutal**- very cruel and/or violent.
- **irresistible**- so strong that it cannot be stopped or prevented.
- **infective**- capable of causing infection.

'Infectious' which means 'that can be easily passed on to another person' fits the context appropriately.

Hence, the chosen option will be correct.

Q:71 The correct answer is **option 2** i.e. **against**.

- 'Battle **against** something' is the correct use of the preposition.

Hence, the chosen option will be correct.

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

- **Statement B** is independent and defines the theme of the paragraph 'Ahmedabad' hence, it will be the opening statement.
- **Statement D** refers to statement B hence, it will come after statement B.
- **Statement A** starts with the pronoun 'It' that is being used for 'Ahmedabad' hence, it will come after D.
- Finally, **C** will come at the end of the arrangement.
- Now we have the final arrangement i.e. **BDAC**.

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

Correct Arrangement:-

Ahmedabad, also known as Karnavati, is the largest city and former capital of the Indian state of Gujarat. Ahmedabad has emerged as an important economic and industrial hub in India. It is the second-largest producer of cotton in India, due to which it was known as the 'Manchester of India' along with Kanpur. Ahmedabad's stock exchange (before it was shut down in 2018) was the country's second oldest.

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 2** i.e. **BADC**.

- **Statement B** is independent and defines the theme of the paragraph 'Cyanobacteria' hence, it will be the opening statement.
- **Statement A** refers to statement B hence, it will come after statement B.
- **Statement D** ends with 'Colonies' and statement C starts with 'Colonies' hence, C will come after D.
- 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:-

Cyanobacteria are a group of photosynthetic bacteria. Some of which are nitrogen-fixing, which live in a wide variety of moist soils and water either freely or in a symbiotic relationship with plants or lichen-forming fungi. They range from unicellular to filamentous and include colonial species. Colonies may form filaments, sheets, or even

hollow spheres.

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:74 The correct answer is **option 3** i.e. **cause great harm with the**.

- The error lies in **option 3** because of the wrong use of '**Preposition**'.
- We need to replace '**With**' with '**To**' for making the statement grammatically correct.

Grammatical concept:-

- The word '**Harm**' is followed by the preposition '**To**'.
- The chosen option contains the **ERROR** hence, it will be the correct choice.

Correct Sentence:-

If medical waste is not managed scientifically, it can **cause great harm to the** environment and to human health.

Q:75 The correct answer is **option 2** i.e. **Rohit is little**.

- The error lies in **option 2** because of the wrong use of '**Determiner**'.
- We need to replace '**Little**' with '**A little**' for making the statement grammatically correct.

Grammatical concept:-

- '**Little**' is considered as semi-negative because it gives almost a negative meaning.
- '**A little**' depicts a **small** quantity. It means an individual considers it a **small** but considerable quantity.
- The chosen shows the small quantity of

business hence, '**A little**' will be the correct choice here.

- The chosen option contains the **ERROR** hence, it will be the correct choice.

Correct Sentence:-

Rohit is a little busy today so he can not go to the office on time.

Q:76 The correct answer is **Option 4** i.e. **David Ricardo**.

- David Ricardo was a British political economist along with Thomas Malthus, Adam Smith, and James Mill.
- He was best known for his theory on wages and profit, the labor theory of value, the theory of comparative advantage, and the theory of rents.
- He developed international trade theory in 1817.
- As per the Ricardian theory of trade, comparative advantage determines the pattern of trade.
- His theory is based on differences in technology across nations.
- As per his theory, a nation is said to have a comparative advantage is good if it can produce relatively more efficiently or relatively less efficiently compared to other nations.

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

Epidermis:

- It is the outermost layer of the skin.
- It is mostly made up of flat, scale-like cells called squamous cells.
- The deepest part of the epidermis produces melanin, which gives the skin its colour.

Dermis:

- It is the next layer to the epidermis.
- It contains blood and lymph vessels, hair follicles, and glands.
- The glands here produce sweat and sebum.

Hypodermis:

- It is the innermost layer and the deepest layer of the skin.
- It is responsible for the formation of the cuticle and is also known as the subcutaneous layer.

- This layer also stores fat and helps in the production of the hormone leptin.
- **Dermatitis** is related to skin. It is a remedy for diseases of the skin.

Q:78 The correct answer is **option 3** i.e. **Joaquin Phoenix**.

1. Joaquin Phoenix won the Golden Globe award for "Best Performance by an Actor in a Motion Picture-Drama".
2. He won this award for Joker directed by Todd Phillips.

Other Golden Globe Awards	
Best Motion Picture-Musical or Comedy	Once upon a Time in Hollywood
Best Motion Picture-Drama	1917
Best Performance by an Actress in a Motion Picture- Drama	Renee Zellweger
Best Director-Motion Picture	Sam Mendes for 1917

Q:79 The correct answer is **option 1** i.e. **Longitudinal waves**.

The orientation of particle motion relative to the direction of energy propagation is one of the ways waves are characterized. There are three categories:

- **Longitudinal waves** - The movement of the particles is parallel to the motion of the energy. Sound waves moving through the air is an example of this type of wave.
- **Transverse waves** - The movement of the particles is at right angles (perpendicular) to the motion of the energy. The movement of a wave through a solid object like a stretched rope or a trampoline is an example of this type of wave.
- **Surface waves** - particles travel in a circular motion. These waves occur at interfaces.

Examples include waves in the ocean and ripples in a cup of water.

Q:80 The correct answer is **Option 1** i.e. **Vice President**

- According to the provisions stated in Articles 65 and 70 of the Constitution, the Vice-President has the authority to assume the role of the President and perform the duties associated with the position.
- In the event of the President's sudden demise or incapacity, the Vice-President can step in and act as the President temporarily.
- However, this acting capacity is limited to a maximum period of six months, during which a new President must be elected.
- These constitutional provisions ensure continuity and stability in the leadership of the country, allowing for a smooth transition in the face of unforeseen circumstances.

Q:81 The correct answer is **option 3** i.e. **France**.

- A) The world's oldest known person, French nun Lucile Randon, has died aged 118.
- B) Randon, known as Sister Andre, was born in southern France on February 11, 1904, when World War I was still a decade away.

Q:82 The correct answer is **Option 4** i.e. **1952**.

- The First Lok Sabha, formed on 13 April 1952 following India's inaugural general election, marked a significant milestone in the country's parliamentary history.
- Its first session commenced on 13 May 1952, with the Lok Sabha successfully completing its entire five-year tenure before its dissolution on 4 April 1957.
- The distinguished leadership of the First Lok Sabha included notable individuals such as Shri G.V. Mavalankar as the Speaker, Shri M.A. Ayyangar as the Deputy Speaker, and Shri M.N. Kaul as the Secretary-General.
- Their collective efforts played a pivotal role in establishing the foundations of India's parliamentary democracy, setting the stage for subsequent Lok Sabha sessions and the democratic governance that followed.

Q:83 The correct answer is **option 4** i.e. **Russia**.

- The Group of Seven (G7) is an inter-governmental political forum consisting of Canada, France, Germany, Italy, Japan, the United Kingdom, and the United States.
- G7 members are the world's largest IMF advanced economies and wealthiest liberal democracies.
- As of 2020, the G7 accounts for over 50% of global net wealth, 32 to 46% of global GDP, and about 770 million people or 10% of the world's population.
- Germany has taken over the presidency of the G7 since the start of 2022.

G7 and India:

- India was invited as a 'Goodwill Partner' to the G7 Biarritz Summit in 2019 and participated in sessions on climate, biodiversity, oceans, and digital transformation.
- In 2021, the Indian Prime Minister attended the summit virtually and emphasized global coordination against COVID-19 and future pandemics.
- India proposed a waiver of patent protections for COVID-19 vaccines and technologies at the World Trade Organization.
- India expressed its commitment to shared values and called for support in countering threats from authoritarianism, terrorism, disinformation, and economic coercion.
- India urged the G7 nations to fulfill their promise of setting aside \$100 billion annually to address climate change challenges in developing countries.

Q:84 The correct answer is **option 1** i.e. **Kailash Temple**.

- The Rashtrakuta dynasty, which reigned from the 6th to the 10th century, held a prominent position in the history of the Indian subcontinent.
- Its founder, Dantidurga, laid the foundation for this illustrious dynasty. Under their rule, the Rashtrakutas exerted their influence over vast territories.
- One of the notable rulers, Krishna I, left an indelible mark with his architectural marvel, the renowned Kailasa Temple in Elora.
- The Kailasa Temple stands as a testament to the dynasty's patronage of art and their

contribution to the rich cultural heritage of India.

- The Rashtrakutas' reign marked a significant era in Indian history, with their accomplishments leaving a lasting legacy that continues to captivate scholars and enthusiasts to this day.

Q:85 The correct answer is **Option 2** i.e. **Damini**.

- **UPSRTC** (Uttar Pradesh State Road Transport Corporation) has launched the '**Damini**' **helpline service** for the safety of women passengers.
- The unique **number 81142-7777** is subscribed for this Daamini Mahila Helpline.
- The helpline has been started under the '**Nirbhaya Yojana**' funded by the **Central government**.
- Complaints can be lodged by calling the helpline number and by using WhatsApp service.

Q:86 The correct answer is **Option 1** i.e. **Bharat Vatwani and Sonam Wangchuk**.

1. Sonam Wangchuk had been awarded for his contribution in the field of education, culture and nature to the progress of communities.
2. Bharat Vatwani had been awarded for leading the rescue of thousands of mentally ill street paupers and reuniting them with their families.
3. Ramon Magsaysay Award was named after a Philippine President-Magsaysay.
4. This award is given to those who address issues of human development in the region 'with courage and creativity', and in doing so have made contributions that have transformed their societies for the better.

Q:87 The correct answer is **option 2** i.e. **Madan Mohan Malviya**.

- Madan Mohan Malviya was given the title of 'Mahamana' by Mahatma Gandhi.
- He established Banaras Hindu University.
- He gave the slogan in the session of 1918 when he was the President of the Indian National Congress.
- He was the President of the Indian National Congress for four sessions -1909, 1913, 1919 and 1932

- He was posthumously awarded the prestigious Bharat Ratna on March 30, 2015.

Leaders	Slogan
Hasrat Mohani	Inqlaab Zindabad
Madan Mohan Malviya	Satyameva Jayate
Lala Lajpat Rai	Simon Go Back

Q:88 The correct answer is **option 1** i.e. **Pinarayi Vijayan**.

A) Cochin International Airport Limited's (CIAL) new Business Jet Terminal was inaugurated by Kerala Chief Minister Pinarayi Vijayan.

B) It is the largest Business Jet Terminal in the country. This 40,000-square-foot terminal is noteworthy because it has first-rate 'safe house' facilities for people with security exemptions and is suitable for both domestic and international business jet operations.

Q:89 The correct answer is **option 1** i.e. **MSN**.

MSN launched a generic version of breast cancer drug.

A) MSN Group launched the 'world's first' generic Palbociclib tablets indicated for advanced breast cancer therapy under the brand Palborest.

B) While there are few other companies set to launch Palbociclib in capsule dosage form, Hyderabad based MSN laboratories developed the drug in tablet formulation which is in line with the innovator Palbace tablets.

Q:90 The correct answer is **option 1** i.e. **Dhanbad**.

City	State	Known as
Dhanbad	Jharkhand	The Coal Capital of India
Jamshedpur	Jharkhand	Pittsburgh of India
Durgapur	West Bengal	Ruhr of India

Bhagalpur	Bihar	The Silk City of India
Bengaluru	Karnataka	Silicon Valley of India
Surat	Gujarat	Manchester of India
Amritsar	Punjab	Golden City of India
Bhubaneswar	Odisha	Temple City of India
Coorg	Karnataka	Scotland of India
Darjeeling	West Bengal	Queen of the Hills
Jaipur	Rajasthan	Pink City

Q:91 The correct answer is **option 1** i.e. **1932**.

- The Poona Pact holds historical significance as it symbolizes an agreement reached between two eminent leaders, **Dr. Bhimrao Ambedkar** and **Mahatma Gandhi**, on **September 24, 1932**.
- This pivotal pact brought an end to Gandhi's fast, which he initiated in protest against British Prime Minister Ramsay Macdonald's decision to grant a separate electorate to the Depressed Classes.
- Notably, this agreement was forged during the tenure of Lord Willington. The Poona Pact aimed to address the concerns of the depressed classes by providing them with reserved electoral seats in the British India Parliament.
- The pact itself was signed by Madan Mohan Malviya on behalf of Mahatma Gandhi and B.R. Ambedkar at Yerwada Central Jail in Pune.

Q:92 The correct answer is **Option 3** i.e. **Kavadi Aattam**.

- The festival of Kavadi Aattam is a religious folk dance celebrated by the Hindus of Tamil Nadu.
- The name Kavadi Aattam literally means 'Burden dance.'
- In this festival, Lord Murugan, the God of War, is worshipped.
- The word 'Kavadi' means 'burden.'
- Lord Murugan is worshipped through ceremonial sacrifices and offerings, praying for his help in warding off debts and protecting from calamities.

Q:93 The correct answer is **Option 3** i.e. **Sikkim**.

- Nathu La, perched at an impressive altitude of 14,450 feet, proudly stands as one of the highest motorable roads globally and holds immense significance.
- Situated on the Indo-Tibetan border, it is recognized as one of India's most vital Himalayan passes.
- The name 'Nathu La' translates to 'listening ears' in the local language, with 'La' signifying 'pass.'
- Serving as a crucial trade route, it is one of the three open border posts facilitating trade between India and China.
- Following its closure for almost four decades after the suppression of a Tibetan uprising by the People's Republic of China in 1959, Nathu La Pass was reopened in 2006.
- Since then, it has served as an official Border Personnel Meeting (BPM) Point, promoting communication and interaction between the two nations.

Other Important Passes:

Passes in India	State	Connects
Nathu La Pass	Sikkim	Sikkim and China
Shikpi La Pass	Himachal Pradesh	Himachal Pradesh and Tibet
Jelep La Pass	Sikkim	Sikkim with Lhasa (Capital of Tibet)
Khardung La Pass	Jammu and Kashmir	Leh and Siachen Glaciers
Aghil Pass	Jammu and Kashmir	Ladakh and Xinjiang province of China
Niti Pass	Uttarakhand	Uttarakhand and Tibet
Rohtang Pass	Himachal Pradesh	Spiti Valley and Parvati Valley.

Q:94 The correct answer is **option 4** i.e. **Nalanda**.

ASI discovered two 1200-year-old miniature stupas at Nalanda.

A) Patna Circle of the Archeological Survey of India (ASI) has discovered two 1200-year-old miniature votive stupas during landscaping activities near Sarai Tila mound within the premises of 'Nalanda Mahavihara', a world heritage site in Nalanda district in the state.

B) The stupas, carved from stone, depict Buddha figures.

Q:95 The correct answer is **option 4** i.e. **All of the above**.

- **Sigma (s) bonds** are the single covalent bonds that form between nuclei and

are created from the 'head-to-head' overlap of orbitals.

- Sigma bonds are the strongest type of covalent chemical bond that is formed by head-on overlapping between atomic orbitals. The electrons in these bonds are sometimes referred to as sigma electrons.
- This overlap may involve s-s, s-p, s-d, or even p-d orbitals.
- Another type of bond, a pi (p) bond is formed when two p orbitals overlap.

Q:96 The correct answer is **option 1** i.e. **PM Narendra Modi**.

A) Prime Minister Narendra Modi on 12 December flagged off India's sixth Vande Bharat Express between Bilaspur (Chhattisgarh)-Nagpur (Maharashtra) route.

B) PM Modi flagged off the train from Nagpur railway station and was accompanied by Maharashtra CM Eknath Shinde, Deputy CM Devendra Fadnavis and Union Minister for Road Transport & Highways Nitin Gadkari.

Q:97 The correct answer is **option 2** i.e. **Mahmud of Ghazni**.

1. Mahmud Ghazni known as Mahmud of Ghazni, ruled Ghazni from 971 to 1030 AD.

2. He made the very first attack in 1001 AD to plunder the wealth of India. He attacked India 17 times. He made his 16th attack on the Somnath temple in 1025 AD just to plunder the gold.

3. The temple was dedicated to Lord Shiva and was rebuilt by the Paramara king Bhoja of Malwa and the Solanki king Bhimdev I of Anhilwara between 1026 and 1042 AD.

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

- **Mahe** is the smallest district in India. Mahe is in **Puducherry** and it is just 9 per km square in area. As per the 2011 Census, its population is 41,816.
- **Kutch** is the largest district in India. It is in **Gujarat**. Its area is 45,652 per km square. As per the 2011 Census, its population is 20,92,371.
- As per the 2011 Census, there are 640 districts in India.

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

- **Bryology**: Bryology is the study of ancient

plants, like mosses, that grow in moist, humid environments. These plants are some of the oldest species on Earth.

- **Ethnobotany**: Study of a region's plants and their practical uses through the traditional knowledge of local culture and people.
- **Palynology**: Study of pollen grains and other spores.
- **Dendrology**: Scientific study of trees.

Q:100 The correct answer is **option 4** i.e. **3**.

A) Three medicinal plant species found in the Himalayas have made it to the IUCN Red List of Threatened Species following a recent assessment. Meizotropis pellita has been assessed as 'critically endangered', Fritillaria cirrhosa as 'vulnerable', and Dactylorhiza hatagirea as 'endangered'.