

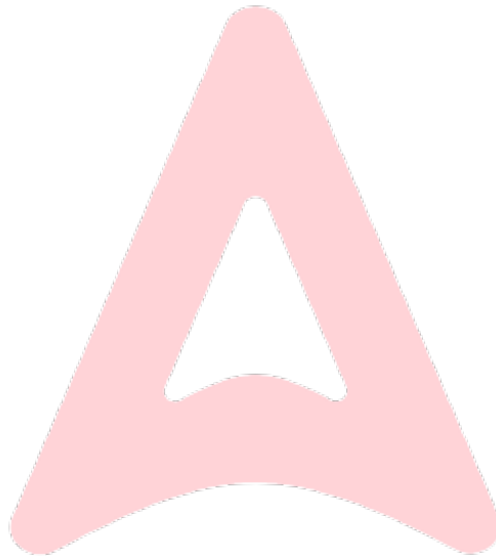
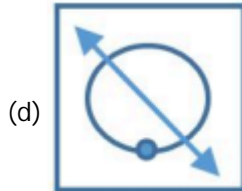
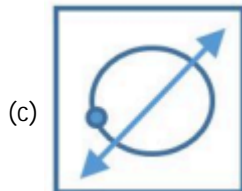
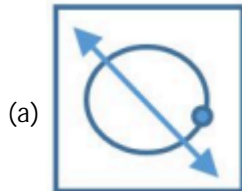
Q1. Match List-I with List-II

List-I	List-II
(Country)	(Name of Political Parties)
(A) France	(I) Liberal Democratic Party
(B) U.K.	(II) Socialist Party
(C) Australia	(III) Conservative Party
(D) Japan	(IV) Labor Party

Choose the correct answer from the options given below :

- (a) (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
- (b) (A) - (II), (B) - (III), (C) - (IV), (D) - (I)
- (c) (A) - (III), (B) - (IV), (C) - (I), (D) - (II)
- (d) (A) - (IV), (B) - (I), (C) - (II), (D) - (III)

Q2. Choose the correct mirror image for the given image assuming that the mirror is placed on the right.



Q3. A man can walk uphill at the rate of $2\frac{1}{2}$ km/hr and down hill at the rate of $3\frac{1}{4}$ km/hr. If the total time required to walk a certain distance up the hill and return to the starting point is 4 hr. 36 min, then what is the distance walked up the hill by the man?

- (a) $6\frac{1}{2}$ km
- (b) $5\frac{1}{2}$ km
- (c) $4\frac{1}{2}$ km

- (d) 4 km
- Q4. The Government of India has sanctioned an Intra-state power transmission and distribution scheme for how many renewable-rich states?
 (a) 8
 (b) 6
 (c) 4
 (d) 7
- Q5. An observer, 1.5 m tall, is 28.5 m away from a chimney. The angle of elevation of the top of the chimney from her eyes is 45° . Determine the height of the chimney?
 (a) 6.5 m
 (b) 15.5 m
 (c) 28.5 m
 (d) 30 m
- Q6. In a certain language SCOTLAND is written as 12345678, LOAN is written as 1435, LOTS is written as 8124, DAN is written as 537 and SON is written as 458, then what will be the code for C?
 (a) 6
 (b) 7
 (c) 8
 (d) 2
- Q7. Which of the following qualification is not correct for being eligible as the President of India?
 (a) Should have completed the minimum age of 32 years
 (b) Should be a citizen of India.
 (c) Should be qualified for election as a member of the House of the People.
 (d) Must not hold any office of profit under the Government of India or the Government of any State or under any authority under government.
- Q8. Dittee has 10 purses and each of which having an average of 25 lipsticks in each purse. Further, it is known that each purse has a minimum of 8 lipsticks and none of the purse has identical number of lipsticks. Determine that what can be the maximum number of lipsticks that Dittee shall have in any of her purse?
 (a) 142
 (b) 239
 (c) 25
 (d) 111
- Q9. The theme of which of the following dances is love and devotion towards Lord Vishnu and / or Lord Krishna?
 (a) Bharatnatyam
 (b) Kathak
 (c) Kuchipudi
 (d) Mohiniattam
- Q10. Match List-I with List-II

List-I	List-II
Wind Mill Farms	Country where located
(A) Fowler Ridge	(I) India
(B) Whitelee Farm	(II) U.S.A.
(C) Jaisalmer	(III) China
(D) Gansu Wind Farm	(IV) U.K.

Choose the correct answer from the options given below:

- (a) (A) – (I), (B) – (IV), (C) – (II), (D) – (III)
 (b) (A) – (I), (B) – (II), (C) – (IV), (D) – (III)
 (c) (A) – (II), (B) – (IV), (C) – (I), (D) – (III)

(d) (A) – (III), (B) – (II), (C) – (I), (D) – (IV)

Q11. Match List-I with List-II

List-I	List-II
(A) Raoult's law	(I) $p = k_H \cdot x$
(B) Henry's law	(II) $\Delta T_f = k_f m$
(C) Elevation of boiling point	(III) $p = x_1 p_1^\circ + x_2 p_2^\circ$
(D) Depression in freezing point	(IV) $\Delta T_b = k_b m$

Choose the correct answer from the options given below:

- (a) (A) – (I), (B) – (II), (C) – (III), (D) – (IV)
 (b) (A) – (III), (B) – (I), (C) – (IV), (D) – (II)
 (c) (A) – (II), (B) – (III), (C) – (I), (D) – (IV)
 (d) (A) – (III), (B) – (IV), (C) – (I), (D) – (II)

Q12. Study of kidneys is known as:

- (a) Odontology
 (b) Neurology
 (c) Hematology
 (d) Nephrology

Q13. Which of the following is not a folk dance generally associated with the State of Maharashtra?

- (a) Koli
 (b) Lavani
 (c) Leken
 (d) povada

Q14. Who among the following Mughal Emperors fought the first battle of Panipat?

- (a) Akbar
 (b) Babur
 (c) Bahadur Shah Zafar
 (d) Jahangir

Q15. Which acid is used in a typical lead-acid car battery?

- (a) Hydrochloric Acid
 (b) Boric Acid
 (c) Carbonic Acid
 (d) Sulphuric Acid

Q16. Read the information given below carefully and answer the question that follows:

- (A) Bhavai is a dance form of Rajasthan
 (B) Jatra is a dance form of West Bengal
 (C) Dashavatara is a dance form of Goa
 (D) Karayala is a dance form of Kerala

Choose the correct option:

- (a) (A), (B), and (D)
 (b) (A) and (D) only
 (c) (B), and (D) only
 (d) (A), (B) and (C) Only

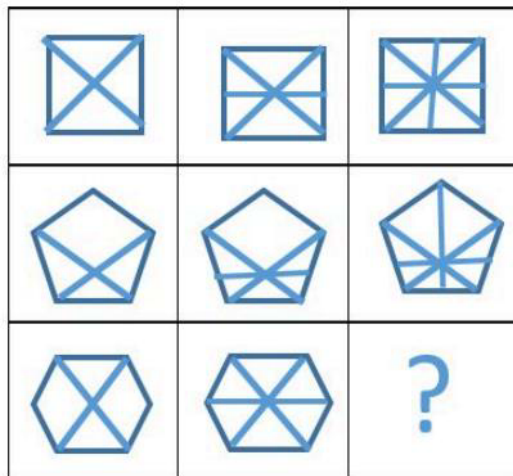
Q17. If the product of n positive numbers is n^n , then what is the minimum value of their average for n = 6?



- (a) 3
 (b) 24
 (c) 6

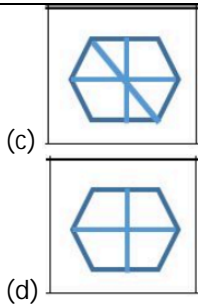
(d) between + 1 and -1

- Q18. Ajeeta and Sanjeeta undertake a project for ` 48000. Further, it is known that Ajeeta can finish the project in 24 days and Sanjeeta can finish the project in 40 days while working alone. If the project gets completed in just 10 days when Ranjeeta also helped them in completing the project, then determine the amount that Ranjeeta would have received, if they distributed the amount in proportion to their respective working capability?
- (a) ` 10000
 (b) ` 16000
 (c) ` 12000
 (d) ` 18500
- Q19. Abdul, Rahila, Karan, Rahul, Reena, Manju and Heena are members of a family consisting of four adults and three children. Two of them, Manju and Heena are girls. Abdul and Rahul are brothers and Abdul is a doctor. Reena is an Engineer married to one of the brothers and has two children. Rahila is married to Rahul and Heena is their child. Who is Karan ?
- (a) Abdul's Son
 (b) Manju's father
 (c) Reena's daughter
 (d) Reena's brother
- Q20. If 26th January, 2019 was a Saturday, what day of the week would it have been on the 15th of August. 2015 ?
- (a) Saturday
 (b) Monday
 (c) Tuesday
 (d) Sunday

Q21. Complete the figure matrix with the correct option :



- (a) 
- (b) 



Q22. The Patent facilitating Center (PFC) was set up in India in which of the following year ?

- (a) 1989
- (b) 1991
- (c) 1995
- (d) 1998

Q23. Read the information given below carefully and answer the question that follows :

Aditi, a salesgirl is appointed at a basic salary of ` 1200 per month. The condition of employment further stated that for every sale of ` 10000 or above she does, she will get 50 % of basic salary and 10 % of the sales as special incentive. However, this incentive scheme shall not work on the first ` 1000 of sales made. What should be the value of sales if Aditi wants to earn in a particular month ?

- (a) ` 60000
- (b) ` 55000
- (c) ` 50000
- (d) ` 48000

Q24. In how many different ways can the word "DAUGHTER" be arranged so that the vowels always come together?

- (a) 48
- (b) 4320
- (c) 3420
- (d) 277200

Q25. When is the World Cancer Day held to raise awareness about Cancer and to encourage its prevention and detection ?

- (a) 2nd January
- (b) 3rd December
- (c) 4th February
- (d) 15th November

Q26. Consider the following frequency distribution.

Class	0-10	10-20	20-30	30-40	40-50	50-60	60-70
Frequency	4	5	7	10	12	8	4

Find the median of the distribution?

- (a) 40
- (b) 39
- (c) 38
- (d) 37

Q27. Match List-I with List-II

List-I	List-II
[a, b as given in the Euclidean algorithm, quotient (q), Remainder (r)] $a = bq + r$	Remainder (r)
(A) $a = 112, b = 7$	(I) $r = 1$
(B) $a = 118, b = 9$	(II) $r = 3$

(C) $a = 119, b = 6$	(III) $r = 5$
(D) $a = 115, b = 8$	(IV) $r = 0$

Choose the correct answer from the options given below:

- (a) (A) - (III), (B) - (I), (C) - (IV), (D) - (II)
(b) (A) - (III), (B) - (II), (C) - (IV), (D) - (I)
(c) (A) - (IV), (B) - (I), (C) - (III), (D) - (II)
(d) (A) - (IV), (B) - (II), (C) - (III), (D) - (I)
- Q28. Choose the number which is different from the others in the group.
(a) 131
(b) 161
(c) 151
(d) 171
- Q29. Which of the following statements about electric wires is NOT true ?
(a) The wire of black insulation, is a neutral wire.
(b) In our houses we receive AC electric power of 220 V with a frequency of 50 Hz. One of the wires in this supply is with red insulation, called live wire.
(c) The third is the earth wire that has pink insulation and this is connected to a metallic body deep inside earth. It is used as a safety measure to ensure that any leakage of current to a metallic body does not give any severe shock to a use.
(d) The electric wires used in houses are generally made of copper.
- Q30. The ratio of the diameter and height of the right circular cylinder is 4 : 3. If the diameter of the cylinder is reduced by 25 % then its total surface area is reduced to $318.5 \pi \text{ m}^2$. What is the circumference of the base of the cylinder?
(a) $7 \pi \text{ m}^2$
(b) $14 \pi \text{ m}^2$
(c) $25 \pi \text{ m}^2$
(d) $28 \pi \text{ m}^2$
- Q31. Arrange the following events in a sequence starting with the first event :
(A) British Government takes over direct responsibility for ruling India
(B) Quit India Movement
(C) Jalianwala Bagh Massacre
(D) Establishment of Indian National Congress
Choose the correct answer from the options given below :
(a) (A), (C), (D), (B)
(b) (B), (A), (C), (D)
(c) (B), (D), (A), (C)
(d) (A), (D), (C), (B)
- Q32. Who among the following business personality is associated with the newly formed Department of Government Efficiency of USA ?
(a) Elon Musk
(b) Warren Buffet
(c) Bill Gates
(d) Jeff Bezos
- Q33. How many terms of the AP : 24, 21, 18, _____ must be taken so that their sum is 78?
(a) 4
(b) 13
(c) Both 4 and 13
(d) 6
- Q34. X, Y and Z together can do a piece of work in 16 ($\frac{4}{11}$) days. X and Y together can do the same work in 20 days. In how many days will Z alone finish the 60% of the work?
(a) 59 days

- (b) 54 days
- (c) 53 days
- (d) 51 days

Q35. Which one of the following pairs of linear equations has/ have infinite many solutions?

- (A) $9x + 3y + 12 = 0$, and $18x + 6y + 24 = 0$
- (B) $2x - 3y = 13$, and $7x - 2y = 20$
- (C) $x + y = 5$, $2x + 2y = 10$
- (D) $3x + y - 3 = 0$ and $2x + \frac{2}{3}y = 2$

Choose the correct answer from the options given below:

- (a) (A), (B) and (C) only
- (b) (B), (C) and (D) Only
- (c) (C), (D) and (A) only
- (d) (D), (C) and (B) only

Q36. Arrange the following in a sequence starting with the earliest to later :

- (A) Pradhan Mantari Matsya Sampada Yojana.
- (B) Pradhan Mantri Fasal Bima Yojna.
- (C) Indian Council of Agricultural Research.
- (D) National Co-operative Development Corporation.

Choose the correct answer from the options given below:

- (a) (C), (D), (A), (B)
- (b) (C), (D), (B), (A)
- (c) (B), (A), (D), (C)
- (d) (C), (B), (D), (A)

Q37. Who was earlier known as Siddhartha?

- (a) Gautam Buddha
- (b) Lord Mahavir
- (c) Emperor Ashoka
- (d) Chandra Gupta - II

Q38. How many ways can 10 persons shake hands with two persons ?

- (a) 45
- (b) 200
- (c) 25
- (d) 190

Q39. Find the next term in the alpha-numeric series:

Z3A , W7E, T15I, Q31M, N63Q, ?

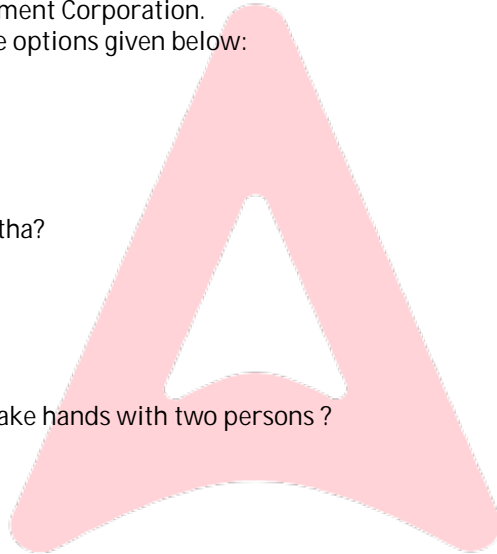
- (a) L126V
- (b) K127U
- (c) M189U
- (d) N127U

Q40. Three unbiased coins are tossed. What is the probability of getting at least 2 heads?

- (a) $\frac{1}{8}$
- (b) $\frac{1}{4}$
- (c) $\frac{1}{2}$
- (d) $\frac{1}{3}$

Q41. If a cone and sphere have equal radii and volumes, then determine the ratio of the diameter of the sphere to the height of the cone ?

- (a) 3 : 1



- (b) 1 : 2
- (c) 6 : 1
- (d) 1 : 3

Q42. Match List-I with List-II

List-I	List-II
(Time)	(Angle between the hour hand and minute hand of a clock)

- | | |
|---------------|-----|
| (A) 2:20 p.m. | 35° |
| (B) 3:10 p.m | 70° |
| (C) 4:30 p.m | 50° |
| (D) 5:40 p.m | 45° |

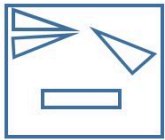
Choose the correct answer from the options given below :

- (a) (A) - (III), (B) - (I), (C) - (II), (D) - (IV)
- (b) (A) - (III), (B) - (IV), (C) - (II), (D) - (I)
- (c) (A) - (III), (B) - (IV), (C) - (I), (D) - (II)
- (d) (A) - (III), (B) - (I), (C) - (IV), (D) - (II)

Q43. In a row of boys there are 13 boys between Shakib and Ali. Shakib is 28 from the left end of the row. If Shakib is nearer than Ali to the right end of the row, then how far away is Ali from the left end of the row?

- (a) 15th
- (b) 16th
- (c) 13th
- (d) 14th

Q44. Among the four answer figures, choose which one can be formed from the cutout pieces given below.



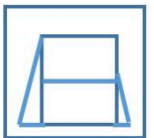
(a)



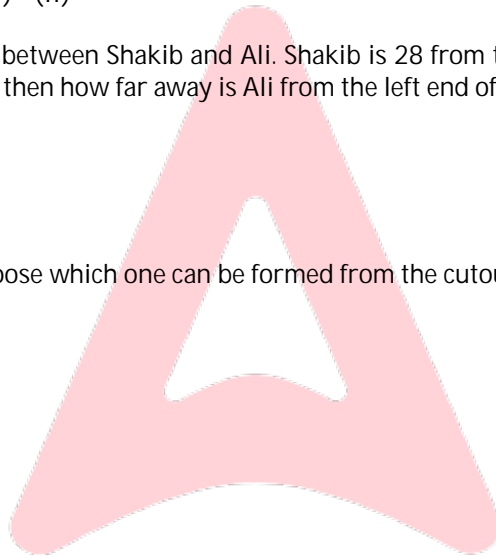
(b)



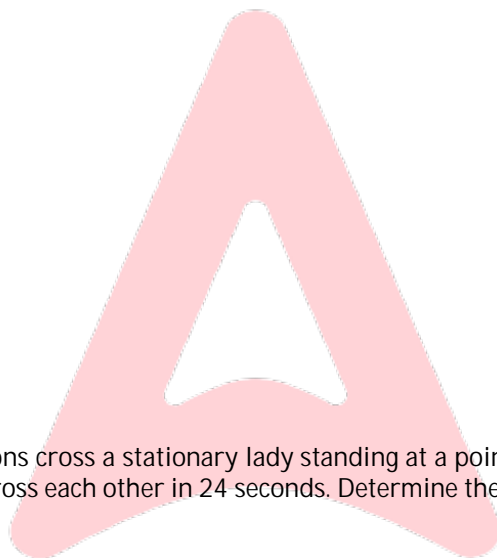
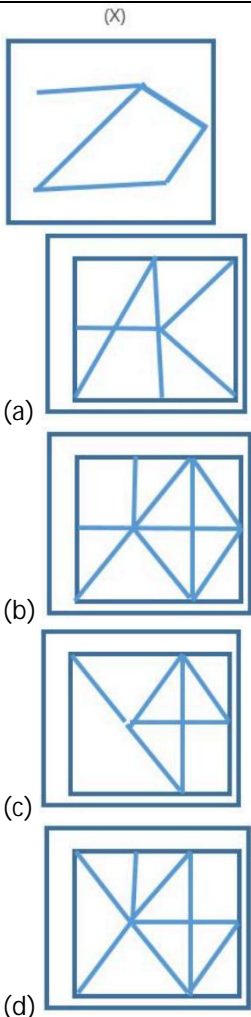
(c)



(d)



Q45. Find the option figure, in which figure (X) is embedded ?



- Q46. 2 trains running in opposite directions cross a stationary lady standing at a point named F in 26 seconds and 21 seconds respectively. Further, the 2 trains cross each other in 24 seconds. Determine the ratio of the speed of the 2 trains ?
 (a) 4 : 3
 (b) 2 : 3
 (c) 3 : 2
 (d) 26 : 21
- Q47. Deficiency of which of the following vitamin can be related to the cause of scurvy disease ?
 (a) Vitamin D
 (b) Vitamin A
 (c) Vitamin B
 (d) Vitamin C
- Q48. Who among the following has been appointed as Chief of ISRO in January 2025 ?
 (a) Dr. S. Somnath
 (b) Dr. Sivan
 (c) Dr. A. S. Kiran Kumar
 (d) Dr. V. Narayanan
- Q49. In a class, the number of students who scored 61 or more marks is 30 and there are at most 39 students who have scored below 61 marks. If the average marks of the class is 48, then determine that what is the largest possible average marks of students who have scored below 61 marks ?

- (a) 35
(b) 33
(c) 39
(d) 38
- Q50. Seven people Anuj, Akash, Bablu, Dharmendra, Ritu, Sudha and Ranjan are standing in a single line, facing a house, Ritu is somewhere ahead of Sudha. There is exactly one standing between Bablu and Ranjan, Dharmendra is immediate behind of Anuj, Sudha is behind both Akash and Dharmendra. If Dharmendra and Bablu are fourth and fifth in line respectively, then which of the following must be true ?
- (a) Anuj is first
(b) Akash is first
(c) Sudha is sixth
(d) Sudha is seventh

