

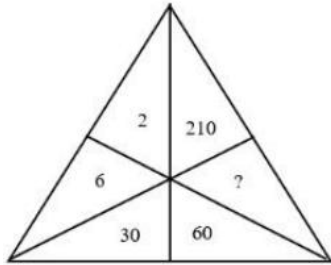
Q1. Match List-I with List-II

| List-I | List-II |
|---------------------|------------------------|
| Names of Satellites | Application |
| (A) EOS-04 | (I) Communication |
| (B) GSAT-29 | (II) Experimental |
| (C) GAGAN | (III) Navigation |
| (D) INS-1A | (IV) Earth Observation |

Choose the correct answer from the options given below:

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

Q2. Which of the following numbers, when placed at the sign of interrogation (?) will complete the given pattern?



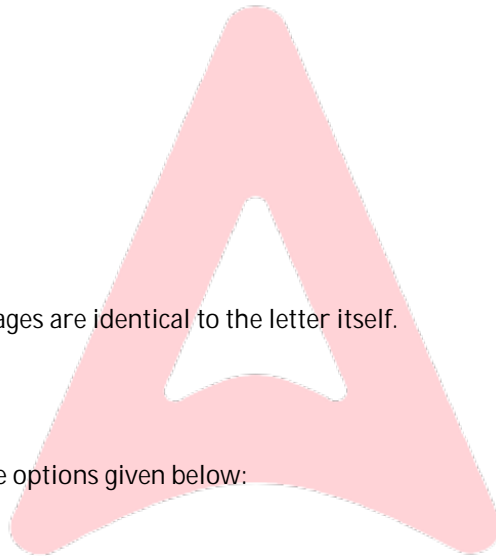
- (a) 130
- (b) 150
- (c) 180
- (d) 110

Q3. Choose the letters whose water images are identical to the letter itself.

- (A) k
- (B) z
- (C) x
- (D) o

Choose the correct answer from the options given below:

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



Q4. Find the odd one from the given options.

- (a) P-16
- (b) K-11
- (c) M-14
- (d) T-20

Q5. If the points A(11, y), B(13, 5), C(14, 7) and D(12, 6) are the vertices of a parallelogram, taken in order, find the value of y.

- (a) 8
- (b) 5
- (c) 4
- (d) -8

Q6. An observer 2 m tall is $24\sqrt{3}$ m away from a building. The angle of elevation of the top of the building as seen by him is 30° . What is the height of the building?

- (a) 24 m
- (b) 20 m

- (c) 30 m
- (d) 26 m

- Q7. Which of the following dance forms of India is wrongly matched with the state of its origination?
- (a) Sattriya - Assam
 - (b) Bharatanatyam - Tamil Nadu
 - (c) Mohiniyattam - Karnataka
 - (d) Kuchipudi - Andhra Pradesh

- Q8. Who among the following can hear Infrasound?
- (a) Dolphin
 - (b) Human beings
 - (c) Rhinoceros
 - (d) Bat

- Q9. Match the given areas of various solid object with their respective formulae:

| List-I | List-II |
|--|-----------------------------|
| Ara of solid object | Formula |
| (A) Lateral surface area of a cylinder | (I) $\pi r\sqrt{r^2 + h^2}$ |
| (B) Total surface area of a hemisphere | (II) $4\pi r^2$ |
| (C) Lateral surface area of a cone | (III) $2\pi rh$ |
| (D) Surface area of a sphere | (IV) $3\pi r^2$ |

(Where, r = radius of the solid shape (or base) and h = height of the solid shape.)

Choose the correct answer from the options given below:

- (a) (A),- (III), (B) – (IV), (C) – (I), (D) – (II)
 - (b) (A),- (I), (B) – (II), (C) – (III), (D) – (IV)
 - (c) (A),- (I), (B) – (IV), (C) – (III), (D) – (II)
 - (d) (A),- (III), (B) – (II), (C) – (I), (D) – (IV)
- Q10. Two numbers a and b are in the ratio 3:2 and their sum is 25. The value of a is?
- (a) 18
 - (b) 15
 - (c) 12
 - (d) 16
- Q11. Which of the following authors is wrongly matched with their books?
- (a) Maxim Gorky - Mother
 - (b) Gabriel Garcia Marquez - Chronicle of a Death Foretold
 - (c) Bibhutibhushan Bandyopadhyay- Pather Panchali
 - (d) Edmund Wilson - Paradise Lost
- Q12. A, B and C can do some work in 40 days. A and C together can do twice as much work as B alone. Find the time taken by B to do the whole work.
- (a) 120 days
 - (b) 100 days
 - (c) 160 days
 - (d) 80 days
- Q13. Which of the following books are correctly matched with their authors?
- (A) Humayun Nama - Gulbadan Begum
 - (B) Akbar Nama - Abul Fazl
 - (C) Badshah Nama - Abdul Hamid Lahori
 - (D) Alamgir Nama - Muhammad Waris
- Choose the correct answer from the options given below:
- (a) (A), (B) and (C) only

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

Q14. Consider the following statements

- (A) The difference between the place values of 9 and 5 in the number 639457 is 4.
- (B) The number π is an irrational number.
- (C) The sum of all the prime numbers from 1 to 20 is 67.
- (D) The difference between the face values of 5 and 3 in number 475839 is 2.

Choose the correct answer from the options given below:

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

Q15. Arrange the following in chronological order, beginning with the earliest.

- (A) Early Buddhist texts including the Tripitaka
- (B) Charaka and Sushruta
- (C) Ashtadhyayi of Panini
- (D) Natyashastra of Bharata

Choose the correct answer from the options given below:

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

Q16. When was NASA's Space X Crew-10 launched from the Kennedy Space Center in Florida to bring back stranded astronauts, Nick Hague, Sunita Williams and Butch Willmore?

- (a) 21 February 2025
- (b) 28 February 2025
- (c) 7 March 2025
- (d) 14 March 2025

Q17. Which among the following is NOT a type of "muscle tissue"?

- (a) Cardiac
- (b) Striated
- (c) Unstriated
- (d) Areolar

Q18. Which among the following cities is situated on the banks of the Godavari river?

- (a) Prayagraj
- (b) Nagpur
- (c) Baghpat
- (d) Nashik

Q19. There is a match between two teams. Each team has a total of 15 players. After the match, all the players of one team shake hands with all the players of the other team. What is the number of possible hand shakes?

- (a) 105
- (b) 225
- (c) 450
- (d) 210

Q20. "Jhumming" in the north-eastern states of India is an example of _____?

- (a) Horticulture
- (b) Slash and burn agriculture
- (c) Commercial farming

(d) Intensive subsistence farming

- Q21. A sum of money becomes thrice of itself in 20 years. Find the simple interest rate per annum?
 (a) 6.66 %
 (b) 12 %
 (c) 10%
 (d) 833 %
- Q22. Maheep started to move in the direction of the East. After moving 17 m, he turned to his left twice and moved 12 m each time. How far is he from starting point?
 (a) 12m
 (b) 5 m
 (c) 10m
 (d) 13 m
- Q23. A car covers a certain distance in 7 hours with a uniform speed. The same distance could have been covered in 6 hours if the speed of the car was increased by 10 Km/h. What is the distance covered?
 (a) 360 Km
 (b) 470 Km
 (c) 420 Km
 (d) 300 Km

- Q24. The "Digital India Programme", to ensure digital services, digital access, digital inclusion, digital empowerment and bridge the digital divide, was launched by the Government of India in which year?
 (a) 2014
 (b) 2015
 (c) 2016
 (d) 2017

Q25. Which of the following subjects is NOT included in the State List?

- (A) Post and Telegraph
 (B) Banking
 (C) Education
 (D) Trade and Commerce

Choose the correct answer from the options given below:

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

Q26. Study the following five numbers and answer the question given below:

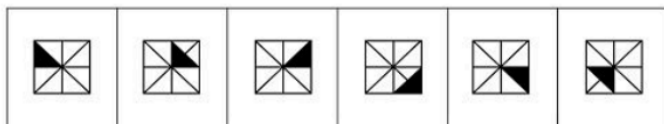
135 269 667 581 783

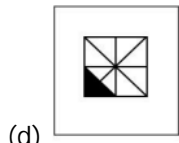
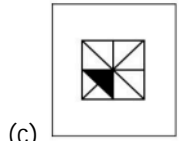
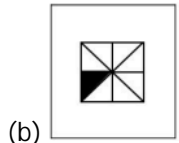
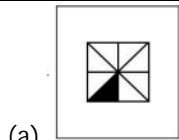
What will be the last digit (unit place) of the second-largest number when they are arranged in ascending order after reversing the positions of the digits within each number?

- (a) 7
 (b) 6
 (c) 5
 (d) 2

Q27. Select a figure from the options which will continue the same series as established by the problem figures.

Problem Figures





Q28. Who among the following Indian Scientists made contributions to the field of quantum mechanics?

- (a) C. V. Raman
- (b) Har Gobind Khorana
- (c) Jagdish Chandra Bose
- (d) Satyendra Nath Bose

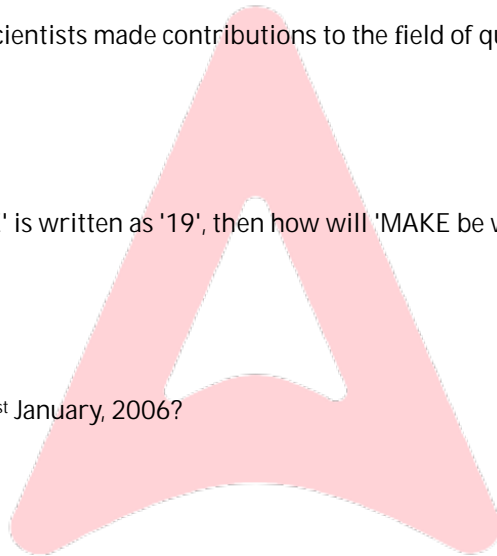
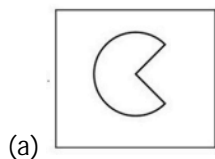
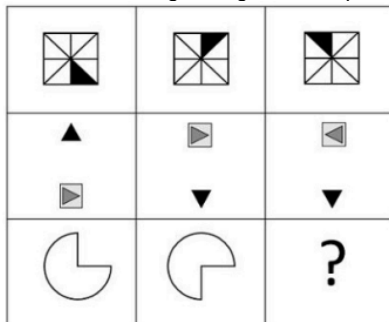
Q29. If in a certain code language, 'BAKE' is written as '19', then how will 'MAKE' be written in that code?

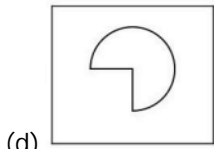
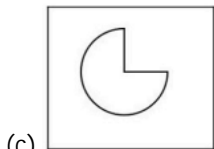
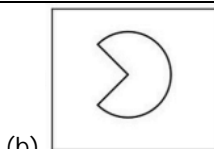
- (a) 29
- (b) 28
- (c) 30
- (d) 31

Q30. What was the day of the week on 1st January, 2006?

- (a) Monday
- (b) Sunday
- (c) Saturday
- (d) Friday

Q31. Which of the figures given in options completes the figure matrix given below?





Q32. Find the angle between the two hands of the clock at 9:16.

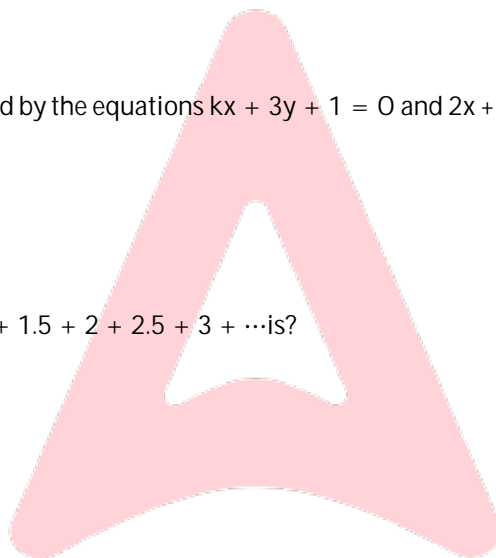
- (a) 182°
- (b) 180°
- (c) 183°
- (d) 184°

Q33. Two water pipelines are represented by the equations $kx + 3y + 1 = 0$ and $2x + y + 3 = 0$. For what value of k , the pipelines cross each other?

- (a) $k = 6$
- (b) $k \neq 0$
- (c) $k \neq 6$
- (d) $k \neq -5$

Q34. The sum of n terms of the series $1 + 1.5 + 2 + 2.5 + 3 + \dots$ is?

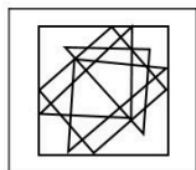
- (a) $\frac{n(n+3)}{4}$
- (b) $\frac{n(n+1)}{2}$
- (c) $\frac{n(n+1)(n+2)}{4}$
- (d) $\frac{n(n+3)}{4}$



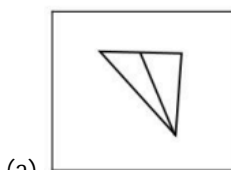
Q35. If the cost-price of 18 articles is equal to the selling price of 15 articles, then find the gain percentage?

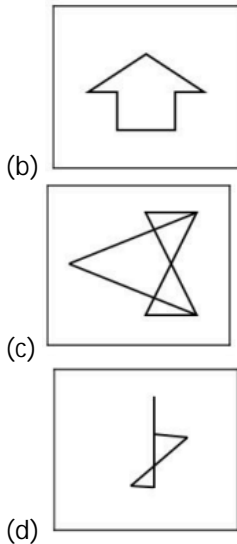
- (a) 20%
- (b) 25 %
- (c) 15%
- (d) 30 %

Q36. Select the figure from the options which is embedded in the figure (X) given below (Rotation is not allowed).



(X)





Q37. India shares the shortest land border with which of the following neighboring countries?

- (a) Afghanistan
- (b) Nepal
- (c) Bhutan
- (d) Myanmar

Q38. A wire is looped in the form of a circle of diameter 70 cm. It is bent again into a square form. What will be the approximate length of the diagonal of the largest possible square? (Assume $\pi = 22/7$)

- (a) $45\sqrt{2}$ cm
- (b) 60 cm
- (c) 50 cm
- (d) $55\sqrt{2}$ cm

Q39. P, Q, R, S, T, U and V are sitting around a circular table facing the center but not necessarily in the same order. S is not a neighbor of Q and V. P is a neighbor of Q and R. U, who is second to the right of S, is the neighbor of T and V. Which of the following must be true?

- (A) V is not seated next to Q.
- (B) T is sitting third to the left of Q.
- (C) R is sitting third to the right of V.
- (D) R and S are not neighbors.

Choose the correct answer from the options given below.

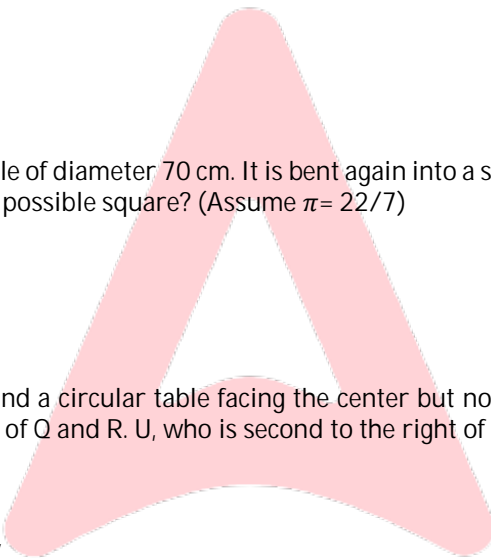
- (a) (B), (C) and (D) only
- (b) (A), (B), (C) and (D)
- (c) (B) and (C) only
- (d) (B) and (D) only

Q40. Which one among the following is a crop of the zaid season?

- (a) Cotton
- (b) Watermelon
- (c) Mustard
- (d) Groundnut

Q41. Match List-I with List-II

| List-I | List-II |
|--------------|------------------|
| Name of Writ | Reason for issue |



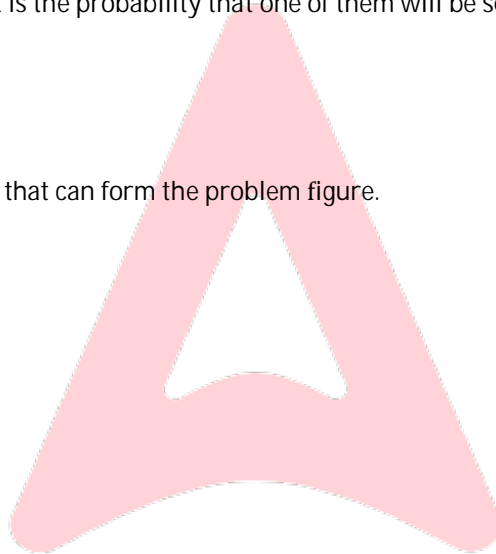
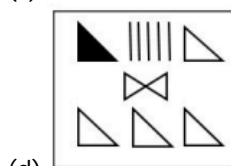
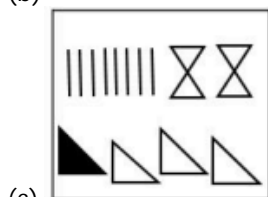
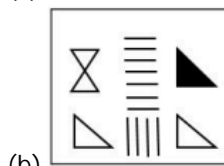
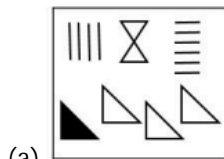
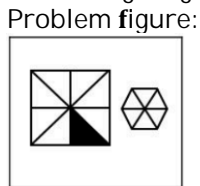
| | |
|------------------|---|
| (A) Mandamus | (I) Issued when the court finds that a person is holding office but is not entitled to hold that office |
| (B) Prohibition | (II) Issued when the court finds that a particular office holder is not doing legal duty |
| (C) Quo Warranto | (III) Issued by a higher court when a lower court has considered a case beyond its jurisdiction |
| (D) Certiorari | (IV) Court orders a lower court to transfer a matter pending before it for review by the higher court |

Choose the correct answer from the options given below:

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

- Q42. Two candidates, X and Y, appeared in an interview for two vacancies for the same post. The probabilities of their selection are $\frac{1}{4}$ and $\frac{1}{7}$, respectively. What is the probability that one of them will be selected?
- (a) $\frac{1}{28}$
 - (b) $\frac{27}{28}$
 - (c) $\frac{5}{14}$
 - (d) $\frac{9}{28}$

- Q43. Find the figure given in the options that can form the problem figure.



- Q44. Pointing towards a woman, Ajeet said, "She is the mother of my children's father." How is the man related to the woman?
- (a) Father
 - (b) Brother
 - (c) Son
 - (d) Nephew
- Q45. Which among the following non-metal is "monoatomic"?
- (a) Oxygen
 - (b) Chlorine
 - (c) Nitrogen
 - (d) Helium
- Q46. Arrange the following events of India's independence struggle in chronological order, beginning with the earliest to the most recent one.
- (A) Khilafat Movement
 - (B) Home Rule Movement
 - (C) Chauri Chaura incident
 - (D) Swadeshi Movement
- Choose the correct answer from the options given below:
- (a) (C), (D), (A), (B)
 - (b) (C), (A), (D), (B)
 - (c) (D), (B), (A), (C)
 - (d) (D), (A), (B), (C)
- Q47. The mode and median of a set of 7 observations are 22.72 and 49.28, respectively. If each of the largest 3 observations of the set is increased by 4 then the median of the new set?
- (a) remains the same as that of the original set
 - (b) is decreased by 4
 - (c) is increased by 4
 - (d) is 2 times as that of the original set
- Q48. What will replace '?' in the following alphanumeric series?
- C2X, G3T, K5P, O7L, W13D
- (a) T9G
 - (b) S11H
 - (c) T11G
 - (d) S9H
- Q49. India's first Archaeological Experimental Museum building is being built in which of the following place?
- (a) Pune, Maharashtra
 - (b) Vadnagar, Gujarat
 - (c) Hyderabad, Telangana
 - (d) Kurukshetra, Haryana
- Q50. The Grand Canyon, carved out by the Colorado River and the most spectacular gorge in the world, is located in which state of the United States of America?
- (a) Colorado
 - (b) Arizona
 - (c) Arkansas
 - (d) Nebraska