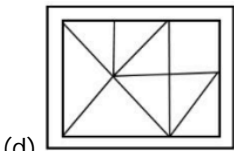
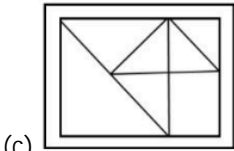
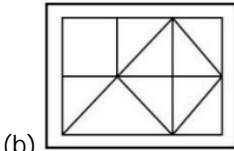
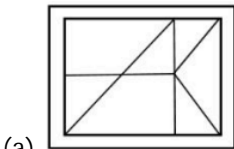
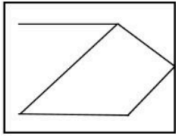
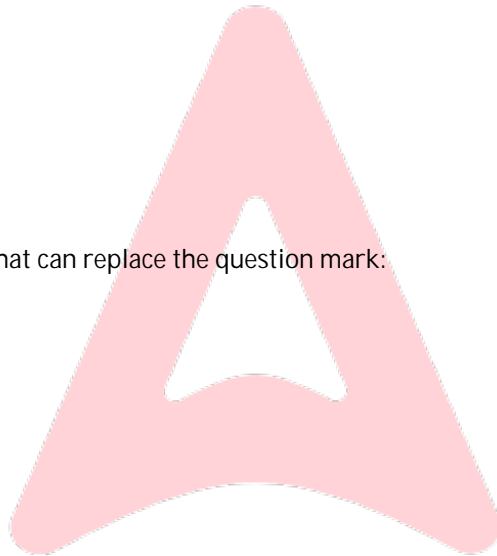
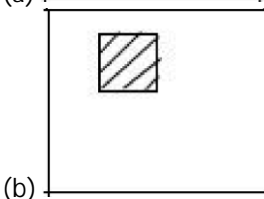
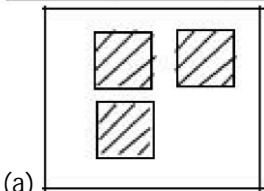
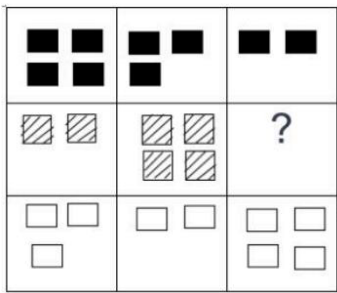


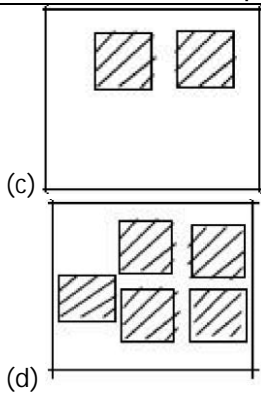
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Q1. Choose the option figure into which the given figure is embedded perfectly.



Q2. Select the figure from the options that can replace the question mark:



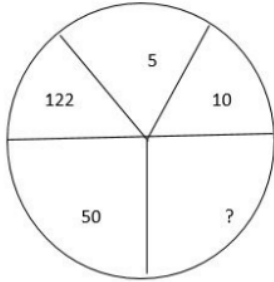


- Q3. If three unbiased coins are tossed simultaneously, then the probability of exactly two heads is:
- (a) $\frac{3}{8}$
 (b) $\frac{1}{2}$
 (c) $\frac{1}{4}$
 (d) $\frac{1}{8}$
- Q4. Pointing towards a gentleman, Rahul said, "His only brother is the father of my daughter' father.". How is the gentleman related to Rahul?
- (a) Grand father
 (b) Father
 (c) Brother-in-law
 (d) Uncle
- Q5. Who is credited with the invention of the first Indian indigenous nuclear reactor?
- (a) Dr. Vikram Sarabhai
 (b) Dr. Abdul Kalam
 (c) Dr. Raja Ramanna
 (d) Dr. Homi Jehangir Bhabha
- Q6. Which among the following countries is not a member of the ASEAN?
- (a) Brunei
 (b) Laos
 (c) Vietnam
 (d) India
- Q7. Dholavira is a
- (a) Harappan site
 (b) Musical instrument
 (c) War weapon
 (d) South Indian Ancient City
- Q8. Choose the pair of numbers which is different from others, among the given options.
- (a) (140, 45)
 (b) (110, 35)
 (c) (100, 30)
 (d) (80, 25)
- Q9. Asphalt is a _____
- (a) Flammable liquid hydrocarbon mixture
 (b) Synthetic aromatic hydrocarbon polymer

- (c) Colorless soft solid derivable from petroleum
 (d) Sticky, black, and highly viscous liquid or semi-solid form of petroleum

- Q10. One-half of a certain number is equal to 65% of the second number. What is the ratio of the first number to second number?
 (a) 13:10
 (b) 8:13
 (c) 13:8
 (d) 10:13

- Q11. Fill the missing number (?) in the given figure.



- (a) 25
 (b) 27
 (c) 23
 (d) 26
- Q12. The diagonal of a square is $4\sqrt{2}$ cm. The diagonal of another square whose area is double that of the first square, is:
 (a) 16 cm
 (b) 6 cm
 (c) $8\sqrt{2}$ cm
 (d) 8 cm
- Q13. Tankas are _____
 (a) Rounded holes which are usually cemented or tilted to collect drinking water
 (b) Used to collect water flowing from melting glaciers.
 (c) Used to supply water through deep canal channels.
 (d) Artificial channels to provide water into agricultural fields.
- Q14. Find the next term (?) in the following alpha-numeric series:
 A-01, D-04, G-09, J-16, M-25,?
 (a) O-36
 (b) P-34
 (c) P-36
 (d) O-34
- Q15. If a saree is sold for ` 2880, the seller will incur a loss of 10%. At what price should he sell it to gain a profit of 20%?
 (a) ` 3480
 (b) ` 4380
 (c) ` 3840
 (d) ` 4830
- Q16. If a point (x, y) in a plane is equidistant from the points (-1, 1) and (4,3), then:
 (a) $4x + 3y = 0$
 (b) $6x + 4y = 23$
 (c) $10x + 4y = 23$
 (d) $-x + y = 7$

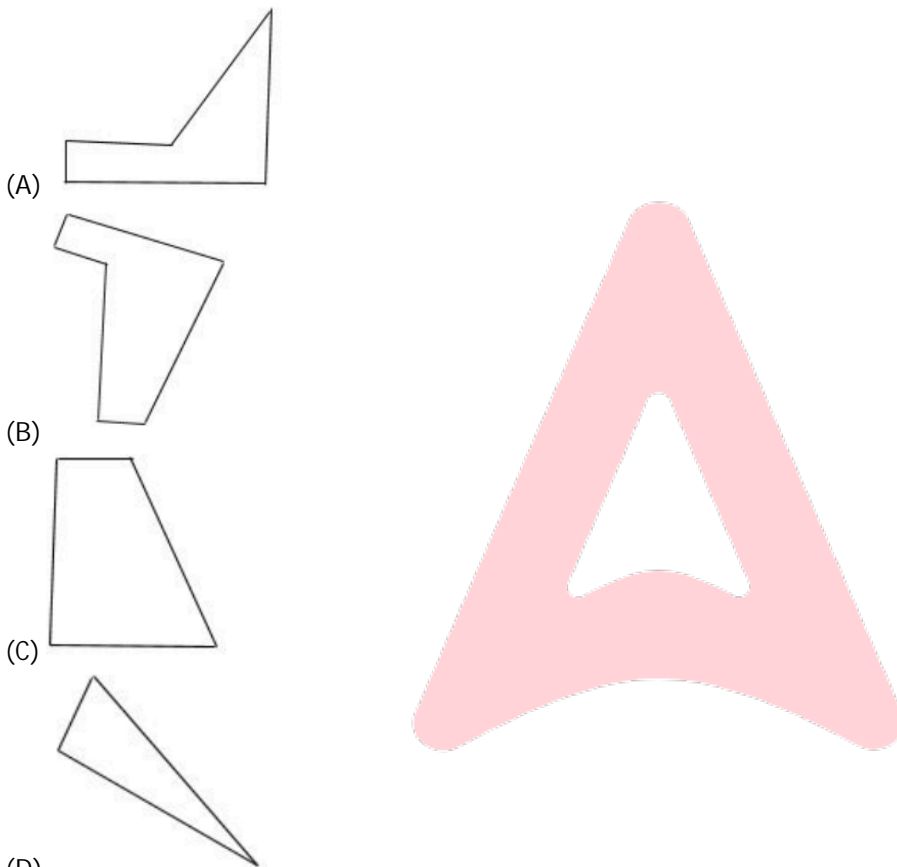
- Q17. Which of the following media has the slowest speed of sound?

- (a) Ice-cold water
- (b) Air
- (c) Steel
- (d) Glass

Q18. If the national day of a country was celebrated on the 4th Saturday of a month, then find the date of celebration in that month, when the first day of the month is Tuesday.

- (a) 24th
- (b) 25th
- (c) 26th
- (d) 27th

Q19. Select that combination of the parts A,B,C,D which can fit into each other to form a complete square.



(D)
Choose the correct answer from the options given below:

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

Q20. The simple interest on a certain sum of money at 5% per annum for 4 years and 3 years differs by ` 42. What is the sum?

- (a) ` 840
- (b) ` 780
- (c) ` 820
- (d) ` 720

Q21. There are 25 girls in a horizontal row. Rekha was shifted by three places towards her right side and now she occupies the middle position in the row. What was her original position from the left end of the row?

- (a) 15th

- (b) 16th
 (c) 17th
 (d) 10th

Q22. Match List-I with List-II

List-I	List-II
(Book)	(Author)
(A) A Bend in the River	(I) John Milton
(B) Areopagitica	(II) P. B. Shelley
(C) A Suitable Girl	(III) V. S. Naipaul
(D) Adonis	(IV) Vikram Seth

Choose the correct answer from the options given below:

- (a) (A) – (I), (B) – (II), (C) – (III), (D) – (IV)
 (b) (A) – (II), (B) – (I), (C) – (III), (D) – (IV)
 (c) (A) – (I), (B) – (II), (C) – (IV), (D) – (III)
 (d) (A) – (III), (B) – (I), (C) – (IV), (D) – (II)
- Q23. The First Battle of Tarain was fought between which of the following rulers?
 (a) Babur and Ibrahim Lodhi
 (b) Prithviraj Chauhan and Muhammad Ghori
 (c) Akbar and Rana Pratap
 (d) Sher Shah Suri and Humayun
- Q24. Which of the following Indian Nationalist Movement was withdrawn due to the incident of Chauri-Chaura?
 (a) Non-Cooperation Movement
 (b) Khilafat Movement
 (c) Home Rule Movement
 (d) Rowlatt Satyagraha
- Q25. Stars are heavenly bodies made up of hot burning gases. Which of the following statements are TRUE?
 (A) A star's color indicates the temperature of its surface.
 (B) Blue color denotes the minimum temperature.
 (C) A neutron star is about 20 km in diameter and has a mass of about 1.4 times that of the Sun.
 (D) Neutron stars are formed by supernova explosions.
 Choose the correct answer from the options given below:
 (a) (A), (B) and (D) only
 (b) (A), (C) and (D) only
 (c) (B), (C) and (D) only
 (d) (A), (B) and (C) only
- Q26. Which of the following industries is an example of joint sector industries?
 (a) Bajaj Auto
 (b) TISCO
 (c) Bharat Heavy Electricals Limited
 (d) Gujarat Alkalies Limited
- Q27. Khayal is a _____
 (a) Classical Indian Dance
 (b) Folk Dance
 (c) Form of Hindustani Music
 (d) Form of Hindstani Musical Instrument.
- Q28. How many times does the digit 3 appear in the counts from 1 to 100?
 (a) 18
 (b) 20

- (c) 24
(d) 21
- Q29. The 7th and 9th terms of an arithmetic progression are 10 and 11, respectively. Find the 15th term.
(a) 12
(b) 14
(c) 16
(d) 18
- Q30. Blood is a red, viscous connective tissue flowing within blood vessels. Which of the following statements are TRUE?
(A) The average volume in a healthy adult male and female is about 5 and 4.5 liters respectively.
(B) The plasma contains 70% water, 20% proteins, nutrients, salts, and hormones.
(C) The hemoglobin binds oxygen in the lungs to transport it throughout the body.
(D) The red blood corpuscles act as the body's defense mechanism against infections.
Choose the correct answer from the options given below:
(a) (A), (B) and (D) only
(b) (A), (B) and (C) only
(c) (A) (C) and (D) only
(d) (B), (C) and (D) only
- Q31. Arrange the sequence of global events in chronological order.
(A) Chernobyl nuclear disaster in Ukraine, Soviet Union
(B) European migrant crisis
(C) Russia invades Ukraine, leading to a global crisis.
(D) Fall of Saigon, marking the end of the Vietnam War
Choose the correct answer from the options given below:
(a) (A), (B), (C), (D)
(b) (C), (B), (A), (D)
(c) (B), (A), (D), (C)
(d) (D), (A), (B), (C)
- Q32. The angle of elevation of the top of a building from the foot of a tower is 30° . The angle of elevation of the top of the tower when seen from the foot of the building is 60° . If the tower is 60 m high, then the height of the building is:
(a) 35 m
(b) 20 m
(c) 25 m
(d) 30 m
- Q33. A man leaves from his home. He first walks 40 meters in north-west direction and then 40 meters in south-west direction. Next he walks 40 meters in south-east direction. Finally, he turns towards his house. In which direction is he moving?
(a) North-east
(b) North-west
(c) South-east
(d) South-west
- Q34. Arrange the sequence of national events in chronological order.
(A) First Snow Marathon organized in Jammu.
(B) 5G telecommunication services in India launched.
(C) The 'Garba of Gujarat' is declared as an intangible Cultural Heritage by UNESCO.
(D) First Global Buddhist Summit hosted in New Delhi.
Choose the correct answer from the options given below:
(a) (A), (B), (C), (D)
(b) (B), (A), (D), (C)
(c) (B), (A), (C), (D)
(d) (C), (B), (D), (A)

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Q35. Match List-I with List-II

List-I	List-II
(Name of the City)	(River)
(A) Nasik	(I) Mahandi
(B) Cuttak	(II) Tapti
(C) Jamshedpur	(III) Godavari
(D) Surat	(IV) Subarnarekha

Choose the correct answer from the options given below:

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

Q36. 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.	(I) 35°
(B) 3:10 p.m.	(II) 40°
(C) 5:30 p.m.	(III) 40°
(D) 6:40 p.m.	(IV) 15°

Choose the correct answer from the options given below:

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

Q37. Article 32 of Indian Constitution deals with _____.

- (a) the rights of the minorities in India
 (b) religious freedom
 (c) the right to approach the Supreme Court for the enforcement of fundamental rights
 (d) enforcement of rights like privacy and free speech against private sectors

Q38. In a certain code language, "GRADUATE" is written as "2092623626722", then how will "ARIHANT" be written in that language?

- (a) 269181926137
 (b) 269181926173
 (c) 269811926137
 (d) 269181962137

Q39. Choose the correct alternative from the given options that will replace the question mark (?) in the following series:

7, 8, 18, 57, ?, 1165

- (a) 174
 (b) 232
 (c) 224
 (d) 228

Q40. Match List-I with List – II

List-I	List-II
(Expressions)	(Values)
(A) ${}^n P_4 = 360$, then find n	(I) 1155
(B) If ${}^{15} C_{3r} = {}^{15} C_{r+3}$, then find r	(II) 56

(C) Find ${}^{15}C_{11} - {}^{15}C_4$	(III) 6
(D) Find 8P_2	(IV) 3

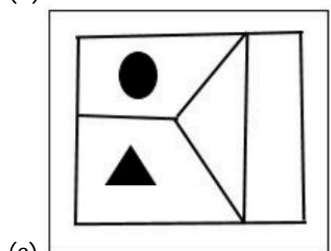
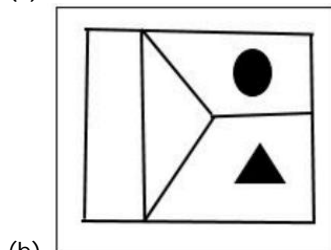
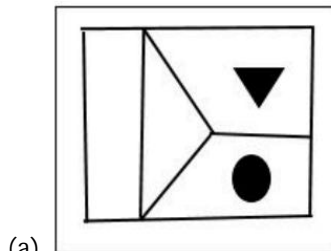
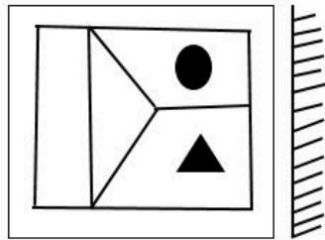
Choose the correct answer from the options given below:

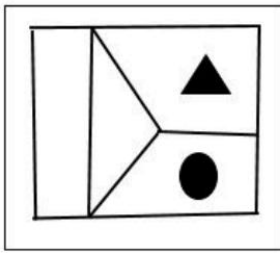
- (a) (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
- (b) (A) - (II), (B) - (III), (C) - (IV), (D) - (I)
- (c) (A) - (III), (B) - (IV), (C) - (I), (D) - (II)
- (d) (A) - (IV), (B) - (I), (C) - (II), (D) - (III)

Q41. Kaziranga National Park in Assam is a home specific to _____.

- (a) Wild Ass
- (b) One-horned Rhinoceros
- (c) Elephants
- (d) Gharial

Q42. Choose the correct mirror image of the given figure, if the mirror is kept on the right side.





(d)

- Q43. Ananyaa travels a certain distance at a speed of 3 kmph and reaches her destination late by 15 minutes. If she travels at a speed of 4 kmph, she reaches her destination 15 minutes earlier. Find the distance that Ananyaa is traveling to reach her destination.
- (a) 10 km
(b) 8 km
(c) 5 km
(d) 6 km
- Q44. Which state came into being as the 26th state of the Indian Union on November 1, 2000?
- (a) Uttarakhand
(b) Jharkhand
(c) Telangana
(d) Chattisgarh
- Q45. The satellite SARAL is a/an _____.
- (a) Geo-Stationary Satellite
(b) Navigation Satellite
(c) Weather Satellite
(d) Earth Observation Satellite to study oceanography
- Q46. Find the median of the following observations.
6, 49, 14, 46, 16, 42, 26, 32, 28
- (a) 32
(b) 30
(c) 28
(d) 26
- Q47. The pair of linear equations $kx + 3y + 1 = 0$ and $2x + y + 3 = 0$ intersect each other, if
- (a) $k \neq -6$
(b) $k = 6$
(c) $k \neq 6$
(d) $k \neq -5$
- Q48. The ratio of radii of two right circular cylinders (A and B) is 2:3. The ratio of volumes of the cylinders A and B is 9:7, then what is the ratio of the heights of the cylinders A and B?
- (a) 7:6
(b) 6:5
(c) 8:5
(d) 81:28
- Q49. A and B can complete a job in 24 days working together. A alone can complete it in 32 days. Both of them worked together for 8 days and then A left. The number of days B will take to complete the remaining job is:
- (a) 128 days
(b) 64 days
(c) 32 days
(d) 16 days

Q50. If m and n are distinct natural numbers, then which of the following is/are integer(s)?

(A) $m/n + n/m$

(B) $mn (m/n+n/m) (m^2 + n^2)^{-1}$

(C) $mn / (m^2 + n^2)$

Choose the correct answer from the options given below:

(a) (A) and (B) only

(b) (B) only

(c) (B) and (C) only

(d) (C) only

