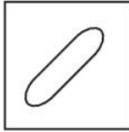
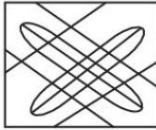





1st June 2023 (Shift - 1)

- Q1.** If mean of the numbers 2, $(2p + 2)$, 7, 13, 17, 4 and $(p - 1)$ is 8, then find their median.
(a) 4 (b) 6
(c) 7 (d) 13
- Q2.** Who was the First Female Chief Minister in India?
(a) Shakuntala Devi (b) Sarojini Naidu
(c) Anita B. George (d) Sucheta Kripalani
- Q3.** Fill up the gap with proper group of alphabets.
I K M J L N K M O ___?
(a) P N L (b) Q N S
(c) L N P (d) S N Q
- Q4.** "Namami Gange" to clean and protect the river ganga in a comprehensive manner was launched in ___ year.
(a) 2014 (b) 2015
(c) 2016 (d) 2017
- Q5.** According to their celebrating months, arrange the following festivals in ascending order in calendar:
(a) Bihu
(b) Pongal
(c) Holi
(d) Christmas
(e) Onam
Choose the **most appropriate** answer from the options given below:
(a) (B), (A), (C), (D), (E) (b) (B), (C), (A), (E), (D)
(c) (A), (B), (C), (D), (E) (d) (E), (C), (A), (B), (D)
- Q6.** A man walking at a speed of 5 km/h passes a bridge in 15 minutes. What is the length of the bridge (in meters)?
(a) 1000 (b) 1200
(c) 1250 (d) 1500
- Q7.** If $243^{3x} = 27^{(4x - 1)}$, then the value of 4^x is:
(a) 4 (b) - 4
(c) $\frac{1}{4}$ (d) $\frac{1}{16}$
- Q8.** The provision for the anti-defection law is given under which schedule of the constitution:
(a) 10th Schedule (b) 9th Schedule
(c) 8th Schedule (d) 12th Schedule
- Q9.** The volumes of 3 solid cubes made of metal are 125 cm^3 , 64 cm^3 and 27 cm^3 respectively. After melting all the three cubes a solid cube is made. Find the edge of the new cube.
(a) 2.5 cm (b) 4 cm
(c) 6 cm (d) 5 cm
- Q10.** Find the missing term in given series:
DF, GJ, KM, NQ, RT, ?
(a) UW (b) UX
(c) YZ (d) XZ
- Q11.** If CAT is 12, then LION is:
(a) 24 (b) 25
(c) 48 (d) 50
- Q12.** Five students are standing in a circle and all are facing the centre of circle. Abhinav is between Alok and Ankur. Apurva is on the left of Abhishek. Alok is on the left of Apurva. Who is sitting next to Abhinav on his right?
(a) Apurva (b) Ankur
(c) Abhishek (d) Alok
- Q13.** Eight persons with an average weight 49 kg were in a lift. Two more persons Anita and Kamal boarded the lift and the average weight of the persons in the lift increased by 2.8 kg. What is the average weight of Anita and Kamal?
(a) 51.8 kg (b) 54.6 kg
(c) 59 kg (d) 63 kg
- Q14.** In the following four options, in which the problem figure is embedded:
Problem figure

(a)  (b) 
(c)  (d) 
- Q15.** The First Chief Justice of India was?
(a) S.R. Das (b) N. V. Ramana
(c) Harilal J. Kania (d) Patanjali Shastri
- Q16.** If $\sin\theta + \operatorname{cosec}\theta = 2$, then what is the value of $\sin^2\theta + \operatorname{cosec}^2\theta$?
(a) 4 (b) 8
(c) 2 (d) 16
- Q17.** Rajan does $\frac{7}{11}$ of a work in 21 days. How many more days will he take to complete the work?
(a) $9\frac{1}{4}$ (b) 12
(c) 15 (d) $13\frac{1}{2}$
- Q18.** Pointing to a man, A lady said "His mother is the only daughter of my mother." How is the lady related to the man?
(a) Aunt (b) Sister
(c) Daughter (d) Mother
- Q19.** Which of the following represents the Boyle's Law?

General Test - Previous Year Papers

- (a) $V \propto T$ (at constant P)
- (b) $V \propto \frac{1}{P}$ (at constant T)
- (c) $P \propto T$ (at constant V)
- (d) $V \propto n$ (at constant T&P)

Q20. A wholesaler sells 20 pens the marked price of 16 pens to a retailer. The retailer sells them at the marked price. Determine the gain percent of the retailer.

- (a) 30%
- (b) 23%
- (c) 25%
- (d) 28%

Q21. Statements: All children are students.
All students are players.

- Conclusions:** (I) All students are children
(II) All children are players

Which of the conclusions follow from the given statements?

- (a) Only I Follows
- (b) Only II Follows
- (c) Both I & II Follows
- (d) Neither I nor II Follows

Q22. Match List - I with List - II.

List - I		List - II	
(A)	Acceleration	(I)	newton-meter^{-2}
(B)	Pressure	(II)	meter^{-1}
(C)	Power of Lens	(III)	second^{-1}
(D)	Frequency	(IV)	$\text{meter} - \text{second}^{-2}$

Choose the most appropriate answer from the options given below:

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

Q23. 'Venus' is to Earth' as 'mercury' is to _____.

- (a) Sun
- (b) Pluto
- (c) Mars
- (d) Moon

Q24. Palk Strait Separates which of the following country from India?

- (A) Pakistan
- (B) Bangladesh
- (C) Sri Lanka
- (D) Myanmar

Choose the most appropriate answer from the options given below:

- (a) (A) only
- (b) (B) only
- (c) (C) only
- (d) (B) only (C) only

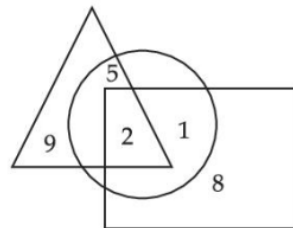
Q25. The angular distance covered by the minute hand in 1 Hr 20 minutes is:

- (a) 420°
- (b) 480°
- (c) 192°
- (d) 310°

Q26. If 18th February 1997 fell on Tuesday, then what was the day on 18th February 1999?

- (a) Friday
- (b) Monday
- (c) Tuesday
- (d) Thursday

Q27.



Which number lies inside all the figures?

- (a) 2
- (b) 5
- (c) 9
- (d) 1

Q28. Find the missing term in given series.

$$20 : 17 :: 104 : ?$$

- (a) 52
- (b) 55
- (c) 59
- (d) 61

Q29. Tickets numbered from 1 to 20 are mixed and a ticket is drawn at random. What is the probability that the ticket drawn bears a number which is a multiple of 3?

- (a) $\frac{3}{10}$
- (b) $\frac{3}{20}$
- (c) $\frac{3}{5}$
- (d) $\frac{1}{2}$

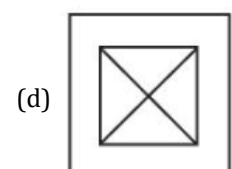
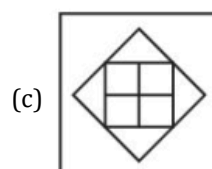
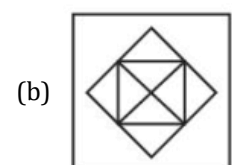
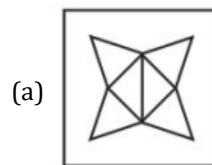
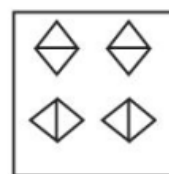
Q30. A sum of ₹ 1250 is divided among A, B and C such that A gets $\frac{2}{9}$ of B's share and C gets $\frac{3}{4}$ of A's share. Find the shares of A, B and C (in ₹).

- (a) 200, 900, 150
- (b) 200, 800, 250
- (c) 150, 800, 300
- (d) 190, 850, 210

Q31. Find the A.P. Whose 3rd term is 18 and 12th term is 72.

- (a) 6, 12, 18, ...
- (b) 0, 9, 18, ...
- (c) 12, 15, 18, ...
- (d) 4.5, 9, 18, ...

Q32. Find out the answer figure which can be formed from the pieces given in the question figure?



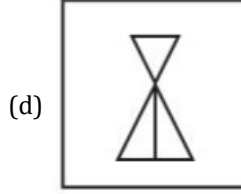
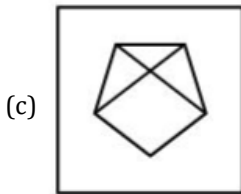
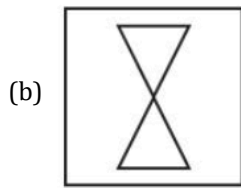
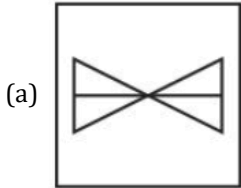
Q33. 1 kilo Watt-hour (kWh) is equals to _____.

- (a) 3.6×10^4 joule
- (b) 3.6×10^7 joule
- (c) 3.6×10^5 joule
- (d) 3.6×10^6 joule

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Q34. Linear equations $3x+5y = 19$ and $10x - 3y = 24$ have solution $x = \frac{\alpha}{3}$ and $y = \frac{\beta}{2}$, then the value of $\alpha + \beta$ is:
 (a) 5 (b) 13
 (c) 10 (d) 7

Q35. Choose the alternative figure which is embedded in the problem figure:
 Problem figure



Q36. In certain code GONE is written as 4% 1* and MEDAL is written as 2*7\$@, then how will 'GOLD' be written in that code?
 (a) 4@%7 (b) 4#@7
 (c) 4%#7 (d) 4%#7

Q37. _____, an Indian patriot from Punjab, shot down General Reginald Dyer in London.
 (a) Sardar Bhagat Singh (b) Shah Nawaz
 (c) Sardar Udham Singh (d) Sohan Singh

Q38. Arrange the following in correct chronological order:
 (A) Dandi March
 (B) Chauri Chaura incident
 (C) Quit India Movement
 (D) Formation of Indian National Congress
 (E) Swadeshi Movement
 Choose the most appropriate answer from the options given below:
 (a) (D), (E), (B), (A), (C) (b) (A), (C), (B), (D), (E)
 (c) (E), (B), (C), (A), (D) (d) (C), (A), (B), (E), (D)

Q39. A toy is made in the shape of a hemisphere of diameter 7 cm surrounded by a cone. If this 15.5 cm high toy is polished at 20 paise per cm^2 , then find the cost of polishing. (Take $\pi = \frac{22}{7}$)
 (a) ₹ 39 (b) ₹ 40.50
 (c) ₹ 42.90 (d) ₹ 45

Q40. Which of the following is correct for divisibility?
 (A) A number is divisible by 6 if it is divisible by 3 or 2.
 (B) A number is divisible by 5 if its unit digit is 0 or 5.

(C) A number is divisible by 3 if its unit digit is divisible by 3.
 (D) A number is divisible by 4 if the number formed by its last two digits is divisible by 4.
 Choose the correct answer from the options given below:
 (a) (A), (B) and (D) only (b) (B) and (D) only
 (c) (A), (C) and (D) only (d) (B) and (C) only

Q41. Match List - I with List - II.

	List - I (Prime Minister of India)		List - II (Period)
(A)	Lal Bahadur Shastri	(I)	1984 to 1989
(B)	Rajiv Gandhi	(II)	1991 to 1996
(C)	Atal Bihari Vajpayee	(III)	1964 to 1966
(D)	P.V. Narasimha Rao	(IV)	1998 to 2004

Choose the most appropriate answer from the options given below:
 (a) (A)-(II), (B)-(III), (C)-(IV), (D)-(I)
 (b) (A)-(III), (B)-(I), (C)-(IV), (D)-(II)
 (c) (A)-(I), (B)-(III), (C)-(II), (D)-(IV)
 (d) (A)-(III), (B)-(II), (C)-(IV), (D)-(I)

Q42. An angle is $\frac{3}{7}$ times its supplementary angles. Find the angle.
 (a) 54° (b) 63°
 (c) 27° (d) 126°

Q43. Choose set of numbers from the four alternatives sets that is similar to the given set. (8, 12, 18)
 (a) (6, 12, 18) (b) (7, 11, 15)
 (c) (7, 11, 17) (d) (9, 13, 20)

Q44. The greatest football player 'Pele' belongs to _____.
 (a) Belgium (b) Argentina
 (c) Brazil (d) Germany

Q45. A certain sum becomes $\frac{36}{25}$ of itself after 2 years on compound interest. Find the rate of interest per annum.
 (a) 15% (b) 20%
 (c) 25% (d) 10%

Q46. The circumference of a circular field is 396 m and that of the other circular field is 132 m. Find the area (in m^2) of the third circular field whose radius is the sum of the radii of the first two fields. (Take $\pi = \frac{22}{7}$)
 (a) 13860 (b) 19536
 (c) 22176 (d) 23984

Q47. A boy runs 4 km to East side then turn right side 6 km, and then turn left runs 8 km again turn left to run 3 km again turn left 4 km, then turn right 1 km. Now the boy is running in which direction?
 (a) West (b) South
 (c) North (d) East

Q48. Which of the following country shares the shortest border with India?
 (a) Bhutan (b) Myanmar
 (c) Nepal (d) Pakistan

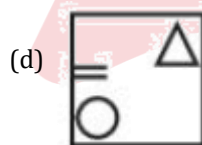
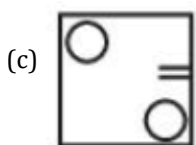
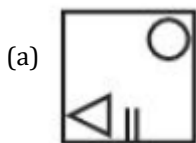
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Q49. A quadrilateral has vertices in the order (0, -1), (-2, 3), (6, 7) and (8, 3). The quadrilateral is a :
 (a) Trapezium (b) Square
 (c) Rhombus (d) Rectangle

Q50. If in ΔABC $\angle A + \angle B = 90^\circ$ and $\sin B = \frac{4}{5}$ then find the value of $\cos A$.
 (a) 1 (b) $\frac{3}{5}$
 (c) $\frac{4}{5}$ (d) 0

Q51. Given below are two statements: one is labelled as Assertion (A) and the other is labelled as Reason (R).
 Assertion (A): Earth is the only planet known to have life.
 Reason (R): Earth has an atmosphere which is a mixture of Oxygen, Nitrogen and Carbon dioxide.
 In the light of the above statements, choose the most appropriate answer from the options given below:
 (a) Both (A) and (R) are correct and (R) is the correct explanation of (A)
 (b) Both (A) and (R) are correct but (R) is not the correct explanation of (A)
 (c) (A) is correct but (R) is not correct
 (d) (A) is not correct but (R) is correct

Q52. Find the missing figure and complete it:



Q53. If the first three letters of the word "SOCIOLOGIST" are reversed, then the last three letters are added and then the remaining letters are reversed and added, then which letter will be exactly in the Middle?
 (a) G (b) T
 (c) I (d) C

Q54. _____ is the famous folk dance in Maharashtra.
 (a) Kathi (b) Lavani
 (c) Jatra (d) Garba

Q55. Joseph gifted ₹ 20000 to his wife and some money to his three children aged 12, 14 and 16 years in the ratio of their ages. If he gave ₹ 3000 to his youngest child, then how much money he gifted to his family?
 (a) 30000 (b) 30150
 (c) 30225 (d) 30500

Q56. Match List - I with List - II.

List - I		List - II	
(A)	Indian Rare Earths Limited	I	Bangalore
(B)	Indian Space Research Organisation	II	Thiruvananthapuram
(C)	Vikram Sarabhai Space Centre	III	Jadugora
(D)	Uranium Corporation of India	IV	Aluva (Kerala)

Choose the most appropriate answer from the options given below:
 (a) (A)-(I), (B)-(III), (C)-(II), (D)-(IV)
 (b) (A)-(IV), (B)-(III), (C)-(II), (D)-(I)
 (c) (A)-(IV), (B)-(I), (C)-(II), (D)-(III)
 (d) (A)-(I), (B)-(IV), (C)-(II), (D)-(III)

Q57. Who wrote the famous novel "The Guide"?
 (a) R.K. Narayan (b) Sarojini Naidu
 (c) B.M. Kaul (d) Vijay Tendulkar

Q58. In which language most of Ashoka inscription are written?
 (a) Sanskrit & Pali (b) Prakrit & Brahmi
 (c) Hindi & Pali (d) Urdu & Sanskrit

Q59. _____ is known as the father of Indian Nuclear Physics.
 (a) Vikram Sarabhai
 (b) J.C. Bose
 (c) Dr. Homi J. Bhabha
 (d) A.P.J. kalam

Q60. Which of the following is/are the possible commercial industrial applications of bacteria?
 (A) Fermentation of sugars.
 (B) Cleaning of oil spills.
 (C) Tanning and making ink.
 (D) Production of Vaccine
 (E) To make Varnish, Polish, Paint etc.
 Choose the most appropriate answer from the options given below:
 (a) (A), (B) and (C) only
 (b) (A), (B) and (D) only
 (c) (B), (C) and (D) only
 (d) (C) and (E) only