

GENERAL TEST

- Q1. If in a class, 10 % of the girls are equal to one-fourth of the boys in the school, then the ratio of girls to the boys in the school is?
 (a) 4:5
 (b) 3:5
 (c) 2:5
 (d) 5:2

- Q2. If the two vertices of a triangle are (5, 4), and (-2, 4) and the centroid is (5,6), then the third vertex is:
 (a) (10, 12)
 (b) (-10, 12)
 (c) (12, -10)
 (d) (12, 10)

- Q3. Read the information given in the table carefully and answer the question that follow:
number of calculators sold by shops p, q, r, & s in june, july and august

Stationery shop	June	July	August
P	112	100	130
Q	100	88	124
R	110	80	46
S	96	94	86

- (A) the difference between the total number of calculators sold by shops p and q together in august and the number of calculators sold by shops r and s together in june is 42
 (B) the average number of calculators sold by shop s in the three months is 92
 (C) the respective ratio between the total number of calculators sold by shops p and q in july and the total number of calculators sold by shop q in august is 45 : 31

choose the correct answer from the options given below :

- (a) (A), (B) and (C)
 (b) (B) only
 (c) (B) and (C) only
 (d) (A) and (B) only
- Q4. Arrange the following economic developments in india in chronological order of the year in which they took place, starting with the earliest to the most recent.
 (A) Setting up of the planning commission of india
 (B) Establishment of tata airlines
 (C) Incorporation of tata iron and steel company (TISCO)
 (D) Adoption of the industrial policy resolution
 choose the correct answer from the options given below:
 (a) (a), (c), (b), (d)
 (b) (b), (a), (d), (c)
 (c) (c), (b), (a), (d)
 (d) (d), (b), (a), (c)

- Q5. Which one among the following is not an oil field in gujarat?
 (a) Nawgam
 (b) Kosamba
 (c) Lunej
 (d) Moran

- Q6. A and b working together can finish a piece of work in 12 days while b alone can finish the same work in 30 days. Then determine that in how many days can a alone finish the same work?
 (a) 24 days
 (b) 20 days
 (c) 12 days

(d) 4. 18 days

- Q7. Which one among the following statements is CORRECT regarding the El Niño event of the global climate system?
- (a) Refers to abnormal warming of surface waters in the equatorial Pacific Ocean
 - (b) Refers to abnormal cooling of surface waters in the equatorial Pacific Ocean
 - (c) It aids Indian monsoon rainfall.
 - (d) It causes high temperatures in the Western Pacific and the Indian Ocean

- Q8. The missing number in the sequence 2, 15, 41, 80, 132, ?, is:
- (a) 212
 - (b) 165
 - (c) 197
 - (d) 144

- Q9. Which of the following is/are prime numbers?
- (A) 241
 - (B) 337
 - (C) 391
 - (D) 571

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)
 - (d) (D), (A) and (B) only
- Q10. Which among the following reactions is endothermic?
- (a) Respiration
 - (b) Burning of natural gas
 - (c) Decomposition of vegetable matter into compost
 - (d) Thermal decomposition
- Q11. The Andhra Pradesh Reorganisation Act, which bifurcated the state into Telangana and Andhra Pradesh, was passed in which year?
- (a) 2010
 - (b) 2012
 - (c) 2014
 - (d) 2016

- Q12. Consider the following distribution.

Class Interval	0-20	20-40	40-60	60-80	80-100
Frequency	17	28	32	f	19

If the mean of the above distribution is 50, find the value of f.

- (a) 69
 - (b) 34
 - (c) 56
 - (d) 24
- Q13. Which one among the following is NOT a Fundamental Right as listed in Part III of the Constitution of India?
- (a) Abolition of titles
 - (b) Equal pay for equal work for men and women
 - (c) Equality of opportunity in public employment
 - (d) Rights of minorities to establish educational institutions
- Q14. How many times digit 3 appear in the counting from 1 to 1000?
- (a) 300

- (b) 250
(c) 360
(d) 210
- Q15. Which one among the following statements is NOT correct for "Organic Farming"?
- (a) Promotes monoculture, single crop in the same space.
(b) Birds are introduced to eat insects.
(c) Promotes weed suppression rather than weed elimination.
(d) Bone meal, human and animal waste are used as fertilizers.
- Q16. Which among the following launchers was used to launch India's Mars Orbiter Mission (Mangalyaan) and the Chandrayaan - 1 Lunar Mission?
- (a) Geosynchronous Satellite Launch Vehicle Mark II (GSLV-Mk II)
(b) Small Satellite Launch Vehicle (SSLV)
(c) Launch Vehicle Mark-3 (LVM-3)
(d) Polar Satellite Launch Vehicle (PSLV)
- Q17. Reena is twice as old as Sunita. Three years ago, Reena was three times as old as Sunita. What is present age of Reena?
- (a) 18
(b) 6
(c) 16
(d) 12
- Q18. Who among the following was NOT awarded the Bharat Ratna in the year 2024?
- (a) Lal Krishna Advani
(b) M. Venkaiah Naidu
(c) P. V. Narasimha Rao
(d) Chaudhary Charan Singh
- Q19. In how many ways can 15 people be seated around two round tables with seating capacities of 7 and 8 people?
- (a) $\frac{15!}{8!}$
(b) $\frac{7!}{88!}$
(c) $\frac{15!}{7!}$
(d) $\frac{15!}{8!} \times 6!$
- Q20. P and Q together can do a job in 6 days. Q and R can finish the same job in $6\frac{6}{7}$ days. P started the work and worked for 3 days. Q and R continued for 6 days and finish the work. Then, the difference of days in which R and P, independently can complete the job is:
- (a) 8 days
(b) 10 days
(c) 12 days
(d) 15 days
- Q21. Which among the following are plant hormones?
- (A) Auxin
(B) Gibberellins
(C) Oestrogen
(D) Abscisic acid
- 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
- Q22. (A) If a product's price is decreased by 25 % and then increased by 20 %, then the net change in the price of the product, is: decrease by 10%

(B) If a product's price is increased by 15 % and then again increased by 20 %, then the net change in the price of the product, is : Increase by 38 %

Choose the correct option(s):

- (a) Both (A) and (B)
- (b) Neither (A) and nor (B)
- (c) Only (A)
- (d) only (B)

Q23. Match List - I with List-II

List-I	List-II
(Figures, etc.)	(Area/Volume/Diagonal etc.)
(A) Surface area of Cube	(I) $\pi(R^2 - r^2)$
(B) Volume of Right pyramid	(II) $a\sqrt{2}$
(C) Area of Circular Ring	(III) $6a^2$
(D) Diagonal of Square	(IV) $\frac{1}{3}(\text{area of base}) \times \text{height}$

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)

Q24. If m is proportional to n and m = 5 when n = 4 then what is the value of m when n = 18?

- (a) 7.5
- (b) 12.5
- (c) 17.5
- (d) 22.5

Q25. If the sum of term of an A.P. is $nP + \frac{1}{2}n(n - 1)Q$, where P and Q are constants, find the common difference.

- (a) P
- (b) Q
- (c) P-Q
- (d) P+Q

Q26. Arrange the following travelers from various countries to India, in order of the century of their visit, beginning with the earliest to the most recent.

- (A) Marco Polo (Italy)
- (B) Al-Biruni (Uzbekistan)
- (C) Francois Bernier (France)
- (D) Ibn Battuta (Morocco)

Choose the correct answer from the options given below:

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

Q27. The Global Biofuel Alliance, to accelerate the global uptakes of biofuels, was launched by India, Singapore, Bangladesh, Italy, USA, Brazil, Argentina, Mauritius and UAE in which year?

- (a) 2019
- (b) 2020
- (c) 2022
- (d) 2023

Q28. Seven people, A, B, C, D, E, F and G are sitting in a circle facing the center and playing cards. E is neighbor of A and D. G is not between F and C. B is not neighbor of G and D. F is the immediate right of A.

Which of the following statements is/are correct:

- (A) A and B are sitting adjacent to each other.
 (B) A is sitting immediately right of E.
 (C) F is second to the left of C.
 (D) F and C are neighbors of B
 Choose the correct answer from the options given below :
 (a) (A), (B) and (D) only
 (b) (B), (C) and (D) only
 (c) (C) and (D) only
 (d) (A), (B) and (C) only

- Q29. Five digit numbers formed by using digits 0, 1, 2, 3 and 4 (when repetition of digits are not allowed) are:
 (a) 1200
 (b) 84
 (c) 2500
 (d) 96

- Q30. If: $a + b + c = 14$ and $a^2 + b^2 + c^2 = 96$, then $(ab + bc + ca)$ is
 (a) 96
 (b) 50
 (c) 14
 (d) 82

- Q31. A female deposit 10% of her salary in PF. She saves 30% of the remaining. The ratio of her expense on medicine and groceries is 3:4 of the remaining salary after saving. If her expenses on the medicine is ₹ 2700, find the monthly salary.
 (a) ₹ 7500
 (b) ₹ 10000
 (c) ₹ 15000
 (d) ₹ 6500

- Q32. Two cyclists, k kilometers apart, and starting at the same time, would be together in r hours if they traveled in the same directions, but would pass each other in t hours if they travelled in opposite directions. The ratio of the speed of the faster cyclist to that of the slower is:
 (a) $\frac{r}{t}$
 (b) $\frac{r+t}{t}$
 (c) $\frac{r}{r-t}$
 (d) $\frac{r+t}{r-t}$

- Q33. V_1, V_2, V_3 and V_4 are the volumes of four cubes of side lengths x cm, $2x$ cm, $3x$ cm and $4x$ cm respectively. The following statements regarding these volumes are given below.
 (A) $V_1 + V_2 + 2V_3 < V_4$
 (A) $V_1 + 3V_2 > V_3 + V_4$
 (C) $2(V_1 + V_3) + V_2 = V_4$
 (D) $V_1 + 4V_2 + V_3 < V_4$

Which of these statements is/are correct?

Choose the correct answer from the options given below.

- (a) (A), (B) and (D) only
 (b) (B), (C) and (D) only
 (c) (C), (D), and (A) only
 (d) (D), (A) and (B) only
- Q34. Read the information given below carefully and answer the question that follows :
 (A) The different ways in which the alphabets of the word BAKERY can be arranged is 720
 (B) The number of ways in which the alphabets of the word MACHINE can be arranged so that the vowels will occupy only the odd positions is 576
 Choose the correct answer from the options given below :
 (a) only (A)

- (b) only (B)
 (c) Both (A) and (B)
 (d) Neither (A) nor (B)

- Q35. Who among the following Indian scientists invented the "crescograph", a device for measuring plant growth?
 (a) Satyendranath Bose
 (b) E. C. George Sudarshan
 (c) Jagdish Chandra Bose
 (d) G. N. Ramachandran

- Q36. Match List-I with List-II

List-I	List-II
Major events in Indian National Movement	Year
(A) Dandi March	(I) 1919
(B) Chauri Chaura incident	(II) 1922
(C) Jallianwala Bagh Massacre	(III) 1917
(D) Champaran Stayagraha	(IV) 1930

Choose the correct answer from the options given below:

- (a) (A) – (II), (B) – (IV), (C) – (I), (D), - (III)
 (b) (A) – (II), (B) – (IV), (C) – (III), (D), - (I)
 (c) (A) – (IV), (B) – (II), (C) – (I), (D), - (III)
 (d) (A) – (IV), (B) – (II), (C) – (III), (D), - (I)
- Q37. One card is drawn from a well-shuffled deck of 52 cards. Find the probability that the card be an ace.
 (a) $1/13$
 (b) 48
 (c) $12/13$
 (d) $2/3$
- Q38. Consider the following statements:
 I. If the height of a cylinder is doubled, the area of the curved surface is doubled.
 II. If the radius of a hemispherical solid is doubled, its total surface area becomes fourfold.
 Which of the above statement(s) is / are true:
 (a) Only I
 (b) Only II
 (c) I & II Both
 (d) Neither I nor II

- Q39. A bag contains 4 red, 5 blue and 3 green balls. If two balls are drawn at random from the bag, then which of the following statements are correct?
 (A) The probability that both balls are red is $1/11$.
 (B) The probability that one ball is red, and one ball is blue is $10/33$
 (C) The probability that both balls are blue is $5/33$.
 (D) The probability that both balls are green is $5/11$.
 Choose the correct answer from the options given below:
 (a) (A), (B) and (C) only
 (b) (B) and (D) only
 (c) (B) and (D) only
 (d) (A), (C) and (D)

- Q40. As part of bilateral cooperation in space technology, for which of the following neighboring countries did India launch the Indian Space Research Organization (ISRO) Nano Satellite 2 (INS-2B) in 2022 and inaugurated a ground station in the same country in 2023?
 (a) Maldives
 (b) Bangladesh
 (c) Sri Lanka

(d) Bhutan

Q41. Natyashastra, the earliest treatise on performing arts in Sanskrit, was written by who among the following?

- (a) Jayadeva
- (b) Bharata Muni
- (c) Kalidasa
- (d) Harshvardhana

Q42. The resistance of a conductor depends on which of the following factors?

- (A) Its length
- (B) Its weight
- (C) Its area of cross-section
- (D) The nature of its material

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

Q43. The shadow of a tower standing on a level ground is found to be 40 m longer when the Sun's altitude is 30° than when it is 60° . Find the height of the tower.

- (a) 10 m
- (b) 60 m
- (c) $10\sqrt{3}$ m
- (d) $20\sqrt{3}$ m

Q44. Read the information given below carefully and answer the question that follows:

- (A) If the mean of 5 numbers is 15 and then if 27 is included to the numbers, then the mean of the 6 numbers shall be 17
- (B) The mean of marks of 300 students is 60, the mean of the top 100 students' marks is 80 and the mean of the last 100 students is 50, then the mean of the marks of the rest of the 100 students of the group is 60.
- (C) The mean and median of 5 observations is 9 and 8 respectively, if 1 is subtracted from each observation, then the new mean and median shall be 8 and 7 respectively

Choose the correct answer from the options given below:

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

Q45. If $\log_8 x = 2/3$, then the value of X is:

- (a) $3/4$
- (b) $4/3$
- (c) $4/1$
- (d) $1/4$

Q46. The simple interest on ₹ 7200 at 14% per annum for 7 years is:

- (a) 1200
- (b) 7056
- (c) 6000
- (d) 7055

Q47. In an examination, out of 480 students, 85 % of girls and 70 % of boys pass. How many boys appeared for the examination, if the total pass percentage of the examination is 75 %?

- (a) 320
- (b) 370
- (c) 340
- (d) 360

GAT Previous Year Paper

- Q48. Who among the following is the author of The Great Indian Novel?
 (a) Shashi Tharoor
 (b) Sanjaya Baru
 (c) Amitav Ghosh
 (d) Vikram Seth
- Q49. The first gold coins were issued in India around the First Century CE by which of the following dynasties?
 (a) Kushanas
 (b) Mauryas
 (c) Guptas
 (d) Chalukyas
- Q50. Match List-I with List-II

List-I	List-II
Nuclear Power Project in India	State
(A) Kakrapar	(I) Uttar Pradesh
(B) Narora	(II) Karnataka
(C) Kaiga	(III) Gujarat
(D) Tarapur	(IV) Maharashtra

Choose the correct answer from the options given below:

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

