

GAT Previous Year Paper

Q1. If the 4th Sunday of a month was the 25th day, then what was the 14th day of the month?

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

Q2. India shares the longest land border with which of the following neighboring countries?

- (a) China
- (b) Bangladesh
- (c) Pakistan
- (d) Nepal

Q3 From the top of a tower, the angles of depression of two objects A and B (situated on the ground on the same side of the tower) are observed to be 30° and 60° , respectively. If the distance between the objects is $200\sqrt{3}$ m, then the height of the tower is?

- (a) $300\sqrt{3}m$
- (b) 400 m
- (c) $400\sqrt{3}m$
- (d) $300m$

Q4. In the following question, a letter-number series is given with one term missing as shown by (?). Choose the missing term out of the given alternatives.

A95, F90, K85, ?, U75

- (a) R80
- (b) P80
- (c) S75
- (d) C75

Q5. Match List I with List II

List I	List II
Statistical Measure	Definition
(A) Mode	(I) Sum of all observations divided by their count
(B) Median	(II) Measure of the spread from the mean
(C) Mean	(III) Central value when observations are arranged in order
(D) Standard Deviation	(IV) Observation which has the highest frequency

Choose the correct answer from the options given below:

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

Q6. A solid sphere of radius 15 cm is melted into a hollow cylinder of uniform thickness. If the external radius of the base of the cylinder is 13 cm and its height is 180 cm, find the uniform thickness of the cylinder.

- (a) 12 cm
- (b) 3 cm
- (c) 7 cm
- (d) 1 cm

Q7. A cyclist goes 12 km to the South and then turning West he goes 16 km. Again he turns to his right and goes 15 km. After that, he turns to his right and goes 12 km. How far is he from his starting point?

- (a) 3 km
- (b) 4 km

- (c) 5 km
(d) 10 km

Q8. The Great Barrier Reef, containing the world's largest collection of coral reefs, is located in which country?

- (a) Maldives
(b) Australia
(c) Indonesia
(d) Philippines

Q9. Two trains of equal length are running from the same origin on parallel tracks in the same direction, at the speeds of 58 km/hr and 73 km/hr, respectively. The faster train passes the other train in 144 seconds. What is the length (in meters) of each train?

- (a) 344 m
(b) 262 m
(c) 300 m
(d) 240 m

Q10. Choose the letters whose water images are identical to the letter itself.

- (A) D
(B) N
(C) Z
(D) C

Choose the correct answer from the options given below:

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

Q11. Match List-I with List-II

List-I	List-II
States of India	Different names of 'slash and burn' agriculture
(A) Andhra Pradesh	(I) Kuruwa
(B) Jharkhand	(II) Bewar
(C) Odisha	(III) Penda
(D) Madhya Pradesh	(IV) Bringa

Choose the correct answer from the options given below:

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

Q12. Which of the following characteristics primarily determine the loudness or softness of sound?

- (a) Amplitude
(b) Wavelength
(c) Frequency
(d) Time taken

Q13. In a class of 44 students, Sneha is placed eighth from the top, whereas Manjeet is placed fifth from the bottom. Sitakshi is placed exactly in between the two. What is Manjeet's position from Sitakshi?

- (a) 15th
(b) 16th
(c) 14th
(d) 17th

Q14. Which of the following authors is wrongly matched with their book?

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- (a) Jhumpa Lahiri - Knife: Mediations after an Attempted Murder
- (b) Hillary Rodham Clinton - Something Lost, Something Gained: Reflections on Life, Love and Liberty
- (c) Arundhati Roy - The Architecture of Modern Empire
- (d) Amitav Ghosh - Smoke and Ashes: A writer's journey through Opium's Hidden Histories

Q15. If $\sqrt{6}:x::\sqrt{3}:(1+\sqrt{2})$, then x is equal to

- (a) $\sqrt{2} + 2$
- (b) $1 + \sqrt{2}$
- (c) $1 - \sqrt{2}$
- (d) $\sqrt{2} - 2$

Q16. Which of the following communication satellites was launched on 24 June 2022?

- (a) CMS-01
- (b) GSAT- 24
- (c) GSAT-30
- (d) GSAT-31

Q17. A flask in the shape of a right circular cone of height 36 cm is completely filled with tea. The tea is then poured into another right circular cylindrical flask whose radius is two-third of the radius of base of the circular cone. Then, the height of the tea in the cylindrical flask is

- (a) 27 cm
- (b) 42 cm
- (c) 72 cm
- (d) 24 cm

Q18. Which one among the following statements is NOT a property of "colloid"?

- (a) It is a heterogenous mixture.
- (b) The solute particles settle down when left undisturbed, that is, a colloid is unstable.
- (c) The size of particles is too small to be individually seen by the naked eyes.
- (d) Colloids are big enough to scatter a beam of light passing through it and make its path visible.

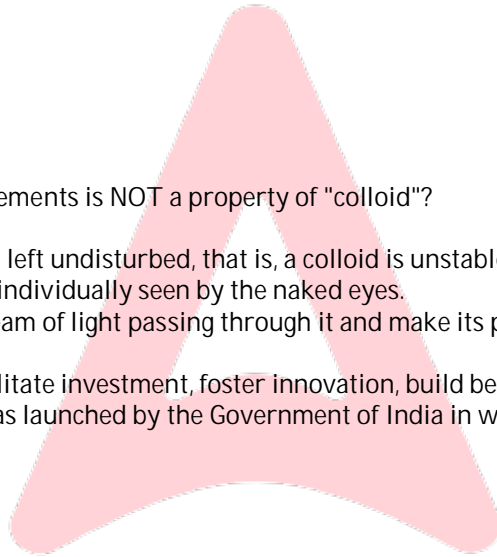
Q19. The "Make in India" initiative, to facilitate investment, foster innovation, build best infrastructure and make India a hub for manufacturing, design and innovation, was launched by the Government of India in which year?

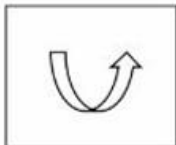
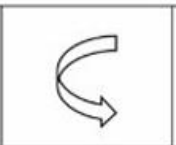




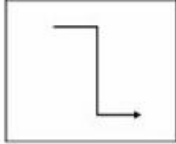
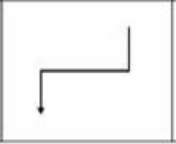

- (a) 2014
- (b) 2015
- (c) 2016
- (d) 2017

Q20. Which among the following is NOT a horticulture crop?

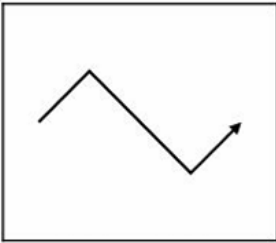
- (a) Medicinal and aromatic plants
- (b) Cereal crops
- (c) Fruits
- (d) Vegetables

Q21. Which of the option figures completes the figure matrix given below?

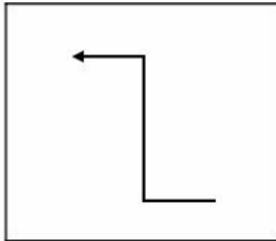


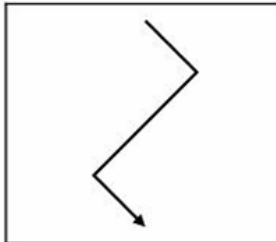
(a)



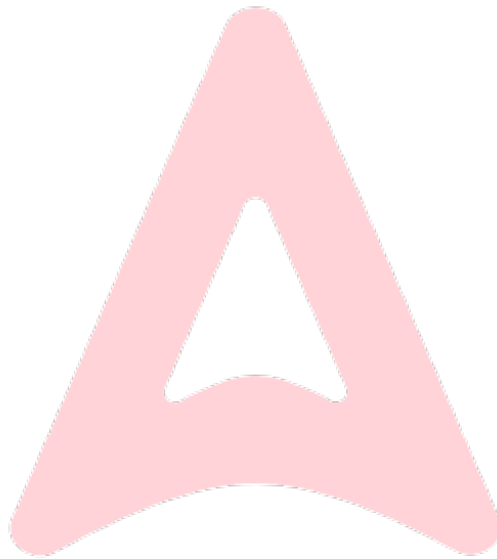
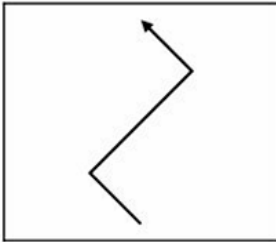
(b)



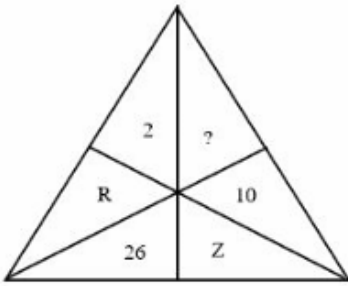
(c)



(d)



Q22. Which of the following characters, when placed at the sign of interrogation (?) will complete the given pattern?



- (a) Z
- (b) Y
- (c) B
- (d) A

Q23. If the points $A(3,0)$, $B(x, 5)$, $C(-1,4)$ and $D(-2, -1)$ are the vertices of a rhombus, taken in order, find the value of x .

- (a) -4
- (b) 2
- (c) 4
- (d) -2

Q24. P, Q, R, S, T, U and V are sitting in a row facing South. S is on the immediate left of R. Q is at an extreme end and has T as his neighbor. S is sitting fifth from the left. V is between U and T. Which of the following must be true?

- (A) P is sitting on the extreme right.
- (B) There are four people sitting between R and T.
- (C) U is an immediate neighbor of S.
- (D) P is sixth from the left.

Choose the correct answer from the options given below:

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

Q25. In a seminar room, there are 34 participants in the first row, 31 in the second, 28 in the third, and so on. There are 16 participants in the last row. How many rows are there in the seminar room?

- (a) 1.7
- (b) 10
- (c) 6
- (d) 8

Q26. Match List-I with List-II

List-I	List-II
Timeline	Major Developments
(A) 500-400 BCE	(I) Rise of Chalukya's in Karnataka
(B) 327-325 BCE	(II) Rulers of Magadha consolidate power
(C) 320 CE	(III) Beginning of Gupta rule
(D) 500-600 CE	(IV) Invasion of Alexander of Macedon

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

Q27. On which date did the Government of India recognize Marathi, Pali, Prakrit, Assamese and Bengali as classical languages?

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- (a) 3 October 2024
- (b) 3 September 2024
- (c) 3 August 2024
- (d) 3 July 2024

Q28. The Nobel Peace Prize, 2024 was conferred to _____?

- (a) Han Kang
- (b) Gary Ruvkun
- (c) John H. Hopfield
- (d) Nihon Hidankyo

Q29. An integer number is chosen at random from the first 100 integers. What is the probability that the chosen number is a perfect cube?

- (a) $1/20$
- (b) $4/33$
- (c) $1/4$
- (d) $1/25$

Q30. For what value of k , the system of equations $kx + 4y - k + 4 = 0$ and $16x + ky = k$, has an infinite number of solutions?

- (a) 6
- (b) 1
- (c) 8
- (d) 3

Q31. In which year was state of Chhattisgarh carved out of Madhya Pradesh?

- (a) 2000
- (b) 2001
- (c) 2002
- (d) 2003

Q32. If 22 is coded as SQRT484, then 29 is coded as

- (a) CBRT1331
- (b) SQRT721
- (c) SQRT841
- (d) CBRT19683

Q33. To complete a work, Aditi takes 60% more time than Bimla. If both of them work together, they take 16 days to complete the work. How much time shall Bimla take to do it alone?

- (a) 26 days
- (b) 30 days
- (c) 13 days
- (d) 20 days

Q34. A person sold two watches for Rs 5500 each. In the sale of the first watch, he made a profit of 20% and in the sale of the second watch, he incurred a 20% loss. What is his gain or loss percentage in total?

- (a) 5 % gain
- (b) 4 % loss
- (c) 5 % loss
- (d) 4 % gain

Q35. Which among the following provisions of the Constitution of India have been adapted from the British Constitution?

- (A) Rule of Law
- (B) Directive Principles of State Policies
- (C) First Past the Post
- (D) Institution of the Speaker and her/his role

Choose the correct answer from the options given below:

- (a) (A), (B) and (C) only

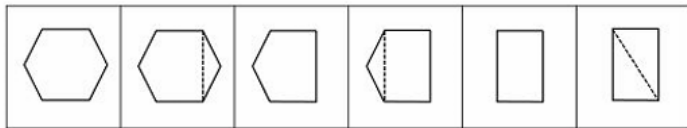
- (b) (A), (B) and (D) only
- (c) (A), (C) and (D) only
- (d) (B), (C) and (D) only

Q36. What will be the measurement of the angle made by the hands of a clock when the time is 6: 14?

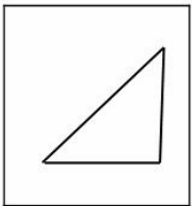
- (a) 103°
- (b) 100°
- (c) 98°
- (d) 106°

Q37. Select a figure from amongst the answer figures which will continue the same series as established by the problem figures given below.

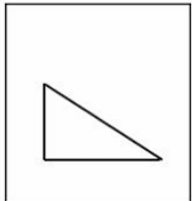
Problem Figures



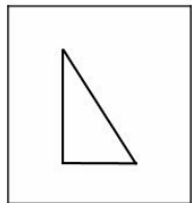
(a)



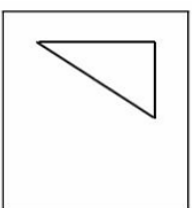
(b)



(c)



(d)



Q38. Which of the following are forms of complex permanent tissues?

- (a) Meristem and Parenchyma
- (b) Collenchyma and Chlorenchyma
- (c) Sclerenchyma and Aerenchyma
- (d) Xylem and Phloem

Q39. Arrange the following landmarks in history in chronological order, beginning with the earliest to the most recent.

- (A) Nadir Shah invades India and sacks Delhi
- (B) Ahmad Shah Abdali defeats the Marathas in the third battle of Panipat
- (C) Reign of Akbar
- (D) Reign of Shah Jahan

Choose the correct answer from the options given below:

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

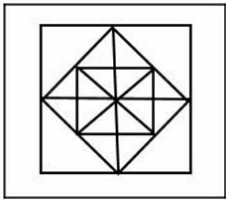
Q40. Consider the following statements:

- (A) The unit's digit in the product of (5236×6231) is 1.
- (B) The digit in the unit's place for the product $31 \times 32 \times 33 \times 34 \times \dots \times 49$ is 0.
- (C) The sum of the face values of 7 and 4 in 8175349 is 11.
- (D) The sum of the place values of 3 in 3935 is 6.

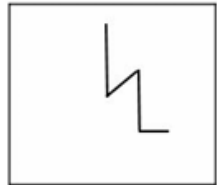
Choose the correct answer from the options given below:

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

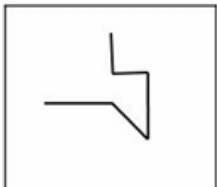
Q41. Select the alternative figure which is embedded in the given figure (X).



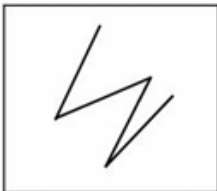
(a)



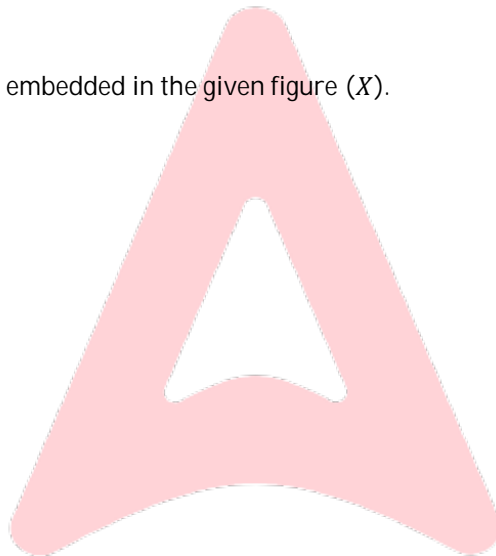
(b)

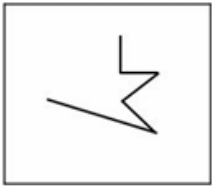


(c)



(d)



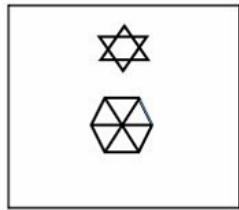


Q42. Who among the following is known as the "Missile Women of India"?

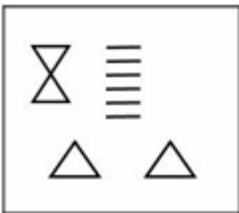
- (a) Shankari Chandrasekaran
- (b) Kalpana Saroj
- (c) Tejaswini Manogna
- (d) Tessy Thomas

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

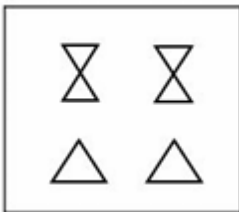
Problem figure:



(a)



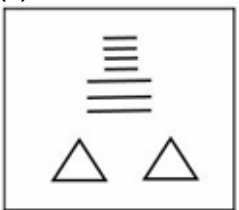
(b)



(c)



(d)



Q44. In how many different ways can the letters of the word 'DELETE' be arranged?

- (a) 36
- (b) 120
- (c) 33
- (d) 720

Q45. Which among the following cities is called the "Manchester of India"?

- (a) Ahmedabad
- (b) Jamshedpur
- (c) Mumbai
- (d) Kolkata

Q46. If *A* says that his mother is the only daughter of *B*'s mother, how is *B* related to *A*?

- (a) Father
- (b) Aunt
- (c) Maternal Uncle
- (d) Brother

Q47. Rs 30000 is lent at compound interest of 7% per annum for 2 years. Find out the amount after two years.

- (a) Rs 34000
- (b) Rs 43437
- (c) Rs 34347
- (d) Rs 33449

Q48. Who among the following form the "Trinity of Carnatic Music"?

- (A) Syama Sastri
- (B) Muthuswami Dikshitar
- (C) Chembai Vaidyanatha Bhagavatar
- (D) Thyagaraja

Choose the correct answer from the options given below:

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

Q49. Find the odd one from the given options which is different from others.

- (a) P-K
- (b) T-F
- (c) O-L
- (d) R-I

Q50. Arrange the following battles in chronological order, beginning with the earliest to the most recent one.

- (A) Battle of Buxar
- (B) First Anglo-Maratha War
- (C) Battle of Plassey
- (D) Third Battle of Panipat

Choose the correct answer from the options given below:

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

