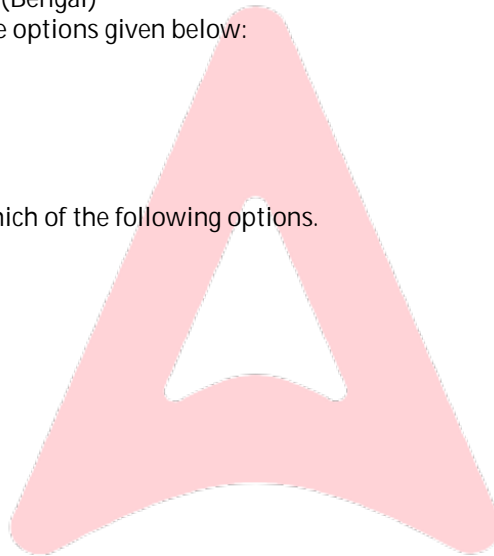
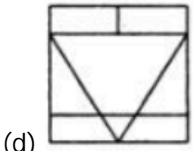
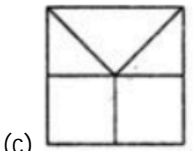
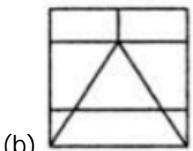
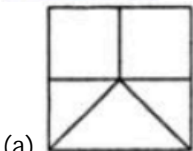
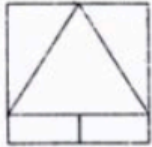


- Q1. How many such 5's are there in the following number sequence, each of which is immediately preceded by 3 or 4 but not immediately followed by 8 or 9?
35954553584567357554523510
(a) Three
(b) Four
(c) Five
(d) Six
- Q2. Find the value of k for which the points A (-1,3), B (2, k) and C (5, -1) are collinear.
(a) 0
(b) 1
(c) -1
(d) -2
- Q3. Arrange the following major advances in Indian Epigraphy in chronological order, beginning from the earliest to the most recent.
(A) First issue of Epigraphia Indica
(B) James Prinsep deciphers the Asokan Brahmi
(C) First issue of Epigraphia Carnatica
(D) Founding of the Asiatic Society (Bengal)
Choose the correct answer from the options given below:
(a) (A), (B), (C), (D)
(b) (D), (B), (C), (A)
(c) (D), (A), (B), (C)
(d) (C), (B), (D), (A)

- Q4. The given figure is embedded in which of the following options.



- Q5. Consider the following statements
(A) To obtain prime numbers less than 121, we have to reject all the multiples of 2, 3, 5 and 7.
(B) Every composite number less than 121 is divisible by a prime number less than 11.

- (C) 173 is not a prime number.
 (D) 7710312401 is divisible by 11.

Which of the statement(s) given above is/are correct?

Choose the correct answer from the options given below:

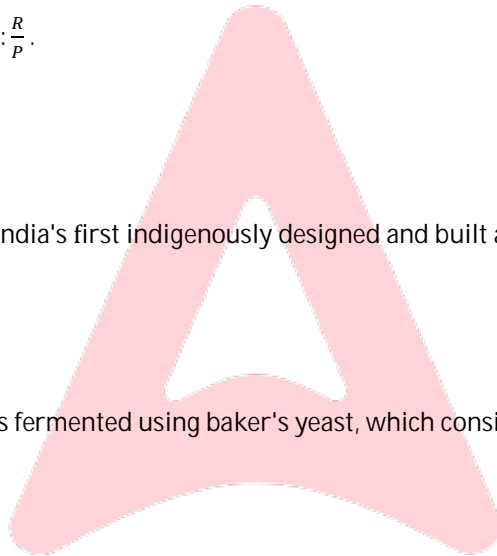
- (a) (A), (B) and (D) only
 (b) (B), (C) and (D) only
 (c) (C), (D), and (A) only
 (d) (A), (B) and (C) only
- Q6. India is NOT a member of which of the following regional intergovernmental organizations?
 (a) The Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation (BIMSTEC)
 (b) The Association of Southeast Asian Nations (ASEAN)
 (c) The Shanghai Cooperation Organisation (SCO)
 (d) The South Asian Association for Regional Cooperation (SAARC)
- Q7. When did India celebrate the first National Space Day with the theme "Touching Lives While Touching the Moon: India's Space Saga"?
 (a) 22 October 2008
 (b) 22 July 2019
 (c) 23 September 2023
 (d) 23 August 2024
- Q8. Find the sum of 24 terms of the list of numbers whose n^{th} term is given by :
 $a_n = 3 + 2n$
 (a) 200
 (b) 172
 (c) 672
 (d) 408
- Q9. Consider the volumes of the following :
 (A) A cylinder with a radius of base 7 cm and height 10 cm.
 (B) A cone of radius 7 cm and height 9 cm.
 (C) A sphere of radius 6 cm.
 The volumes of these figures in decreasing order shall be :
 Choose the correct answer from the options given below :
 (a) (A), (B), (C)
 (b) (A), (C), (B)
 (c) (B), (A), (C)
 (d) (C), (B), (A)
- Q10. Match List-I with List-II

List-I	List-II
Names of Rivers	River System
(A) Sutlej	(I) The Ganges River System
(B) Narmada	(II) The Indus River System
(C) Godavari	(III) The Peninsular River System
(D) Yamuna	(IV) Flowing Eastward into the Bay of Bengal

Choose the correct answer from the options given below:

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

- Q11. A and B, working separately can do a piece of work in 12 days and 20 days respectively. If they work alternately, beginning with A, then in how many days, can the work be completed ?
 (a) 15
 (b) 15/2
 (c) 14/2
 (d) 14
- Q12. The ancient archeological site, Doiyang Dhansiri Valley, is located in which state in India?
 (a) Meghalaya
 (b) Assam
 (c) Arunachal Pradesh
 (d) Mizoram
- Q13. Who among the following women activists convinced Mahatma Gandhi not to restrict the Salt Satyagraha Dandi March to men alone?
 (a) Kamaladevi Chattopadhyay
 (b) Binodini Dasi
 (c) Sarojini Naidu
 (d) Kamini Roy
- Q14. If $P : Q : R = 2 : 3 : 4$, then find : $\frac{P}{Q} : \frac{Q}{R} : \frac{R}{P}$.
 (a) 9 : 8 : 24
 (b) 8 : 9 : 24
 (c) 24 : 8 : 9
 (d) 8 : 24 : 9
- Q15. Which one among the following is India's first indigenously designed and built aircraft carrier warship?
 (a) INS Vikramaditya
 (b) INS Jalashwa
 (c) INS Airavat
 (d) INS Vikrant
- Q16. The dough used for making bread is fermented using baker's yeast, which consists of which of the following microbes?
 (a) fungus
 (b) Bacteria
 (c) virus
 (d) parasite
- Q17. Match List-I with List-II



List-I (Statements/Expressions, etc.)	List-II (Value/Expressions, etc.)
(A) P(E)	(I) 1
(B) The probability of an impossible event	(II) P(A), P(B)
(C) For exhaustive events E_1 and E_2 , $P(E_1 \cup E_2) =$	(III) $1 - P(\bar{E})$
(D) For independent events A and B, $P(A \cap B) =$	(IV) 0

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)

- Q18. In a row of forty children, Panoo is thirteenth from left end and Qanoo is ninth from right end. How many children are there between Panoo and Ranoo if Ranoo is fourth to the left of Qanoo ?
 (a) 15
 (b) 12
 (c) 16
 (d) 14
- Q19. The method of protecting steel and iron from rusting by coating them with a thin layer of zinc is called _____ ?
 (a) Alloying
 (b) Galvanisation
 (c) Anodising
 (d) Greasing
- Q20. Zeeshan has a faulty compass which shows North as South-West, East as North-West and so on. If Zeeshan wants to actually find the South-East direction on his compass, then he should check which direction on his compass so that he gets to determine the South-East direction correctly ?
 (a) North-West
 (b) West
 (c) South
 (d) North
- Q21. In how many different ways can the letters of the word OPERATE be arranged?
 (a) 720
 (b) 2520
 (c) 5040
 (d) 360
- Q22. A wheel makes 2000 rounds when it covers a distance of 88 km. Find the radius of the wheel ?
 (a) 7 m
 (b) 10.5 m
 (c) 14 m
 (d) 21 m
- Q23. Match List-I with List-II

List-I	List-II
(Books)	(Authors)
(A) The Golden Road: How Ancient India Transformed the World	(I) Han Kang
(B) Man-eaters of Kumaon	(II) William Dalrymple
(C) Mother	(III) Maxim Gorky
(D) The Vegetarian	(IV) Jim Corbett

Choose the correct answer from the options given below:

- (a) (A) - (II), (B) - (IV), (C) - (III), (D) - (I)
 (b) (A) - (II), (B) - (IV), (C) - (I), (D) - (III)
 (c) (A) - (IV), (B) - (II), (C) - (III), (D) - (I)
 (d) (A) - (III), (B) - (IV), (C) - (II), (D) - (I)
- Q24. In a certain code language. 'RING' is written as '50', 'ROPE' is written as '56'. What is the code for 'WEST' in that code language?
 (a) 67
 (b) 57
 (c) 47
 (d) 69

- Q25. Which among the following countries became the newest member to join the North Atlantic Treaty Organization (NATO) in March 2024?
- Georgia
 - Ukraine
 - Finland
 - Sweden
- Q26. Choose the odd one out among the following?
- Piano
 - Typewriter
 - Computer
 - Calculator
- Q27. Which option will replace the question mark in the given series:
BBO, EC2, HE3, KG4, NK3, ?
- QM3
 - QN3
 - QM4
 - PN4
- Q28. Which among the following Central Public Sector Enterprises is / are NOT "Maharatnas"?
- Bharat Sanchar Nigam Limited
 - Airport Authority of India
 - Indian Oil Corporation Limited
 - Hindustan Aeronautics Limited
- Choose the correct answer from the options given below:
- (A), (B) and (C) only
 - (B), (C) and (D) only
 - (A), (B) and (D) only
 - (A), (C) and (D) only
- Q29. The magnetic field inside a long straight solenoid-carrying current _____ ?
- Is zero inside the solenoid
 - Is uniform inside the solenoid
 - Increases as we move towards its end
 - Decreases as we move towards its end
- Q30. What is meant by "Net Zero"?
- Cutting Hydrogen emission to zero
 - Cutting Green House Gas (GHG) emissions to zero
 - Cutting e-waste generation to zero
 - Cutting microplastic generation to zero
- Q31. By selling 32 apples for ₹ 30, a man loses 25%. How many apples should be sold for ₹ 24, to gain 20% in the transaction?
- 28
 - 32
 - 24
 - 16
- Q32. Find out the median of the following frequency distribution :

Variable	11	12	13	14	15	16	17	18	Total
Frequency	5	7	11	9	8	7	3	5	55

- 13
- 14
- 15

(d) 17

- Q33. The Directive Principles of State Policy, Part IV of the Constitution of India, have been adapted from which of the following constitutions?
- (a) British Constitution
 - (b) French Constitution
 - (c) Irish Constitution
 - (d) Canadian Constitution
- Q34. If the seventh day of a month is three days earlier than a Friday, what day will be the nineteenth day of the same month ?
- (a) Thursday
 - (b) Tuesday
 - (c) Wednesday
 - (d) Sunday
- Q35. From A point on a bridge across a river, the angles of depression of the banks on opposite sides of the river are 30° and 45° , respectively. If the bridge is at a height of 9 m from the surface of the river, then find the width of the river, ?
- (a) $3(\sqrt{3} + 1)$
 - (b) $5(\sqrt{3} + 1)$
 - (c) $9(\sqrt{3} + 1)$
 - (d) $12(\sqrt{3} + 1)$
- Q36. A certain sum becomes 3-fold at 4% annual rate of interest. At what rate, will it become 6-fold?
- (a) 9%
 - (b) 10%
 - (c) 11%
 - (d) 12%
- Q37. Rani and Shreshtha are a married couple having two daughters, Medha and Deepali, Deepali is married to Santosh who is the son of Garima and Arun. Nidhi is the daughter of Santosh. Santosh's sister Soni is married to Vivek and has two sons, Jai and Veeru. Veeru is the grandson of Garima and Arun. Determine which of the following is true ?
- (a) Arun is Deepali's maternal uncle.
 - (b) Jai is the son of Medha.
 - (c) Garima is Vivek's mother-in-law.
 - (d) Nidhi is the cousin of Soni.
- Q38. It was Monday on January 1, 2007. What was the day of the week on January 1, 2011?
- (a) Saturday
 - (b) Sunday
 - (c) Monday
 - (d) Tuesday
- Q39. Which option would replace the question mark in the given figure?

7	21	8
17	?	5
12	1	23

- (a) 13
- (b) 14
- (c) 15
- (d) 16

- Q40. In a row of boys, if A who is tenth from the left and B who is ninth from the right, interchange their positions, A becomes fifteenth from the left. How many boys are there in the row?
(a) 23
(b) 27
(c) 28
(d) 31
- Q41. Arrange the following space initiatives of India in the chronological order of their year of launch. beginning from the earliest to the latest.
(A) Aditya-L1 Solar Observatory Spacecraft inserted into the halo orbit around the Sun
(B) Launch of Chandrayaan - I Lunar Mission
(C) Bhaskara - I launched
(D) Launch of Mars Orbiter Mission
Choose the correct answer from the options given below:
(a) (A), (B), (C), (D)
(b) (D), (B), (C), (A)
(c) (B), (A), (D), (C)
(d) (C), (B), (D), (A)
- Q42. The graphs of $ax + by = c$ and $dx + ey = f$ will be :
(A) parallel, if the system has no solution.
(B) coincident, if the system has finite numbers of solutions.
(C) intersecting, if the system has one solution.
Which of the above statements is/ are correct?
Choose the correct answer from the options given below:
(a) (A) and (B) only
(b) (B) and (C) only
(c) (C) and (A) only
(d) (A), (B) and (C) only
- Q43. A boy is running at a speed of p km/hr to cover a distance of 1 km. But, due to the slippery ground, his speed is reduced by q km/hr ($p > q$). If he takes r hours to cover the distance, then
(a) $\frac{1}{r} = p - q$
(b) $r = p - q$
(c) $\frac{1}{r} = p + q$
(d) $r = p + q$
- Q44. Which among the following subjects are included in the "Concurrent List"?
(A) Banking
(B) Education
(C) Forest
(D) Trade Unions
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
- Q45. A man drives 20 km towards the East and turns to the right-hand side and takes a drive of another 3 km. He then drives towards the West (turning to his right) another 3 km. He then turns to his left and walks another 2 km. Afterward, he turns to his right and travels 17 km. How far is he from his starting point?
(a) 7 km
(b) 5 km
(c) 8 km

(d) 10 km

Q46. Consider the alphabet series as given below and answer the question that follows :

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Now, if all the vowels are removed from the given series, then which alphabet will be the seventh to the right of the fifth alphabet from the left ?

- (a) P
- (b) N
- (c) M
- (d) L

Q47. Which among the following is NOT a Non-metallic mineral resource found in India?

- (a) Mica
- (b) Manganese
- (c) Graphite
- (d) Limestone

Q48. In a family of 8 members, there are two married couples. R has two children. A is the wife of K and K is the brother of P. F is the daughter of R. U is the sister of S and S is the son of K. T is son of P, who is a male. How is A related to P ?

- (a) Son
- (b) Sister-in-law
- (c) Cousin
- (d) Brother-in-law

Q49. Krishnadeva Raya, the most famous ruler of Vijayanagara Empire, belonged to which Dynasty?

- (a) Chola Dynasty
- (b) Chalukya Dynasty
- (c) Sangama Dynasty
- (d) Tuluva Dynasty

Q50. Which one among the following statements is NOT correct regarding the La Niña event of the global climate system?

- (a) It causes drought in Peru and Ecuador and heavy floods in Australia
- (b) It is beneficial for the Indian monsoon and aids rainfall across India
- (c) It refers to abnormal cooling of sea surface water in central and eastern tropical Pacific Ocean
- (d) It refers to abnormal warming of sea surface water in central and eastern tropical Pacific Ocean