

AFCAT 1 2024

AFCAT 1 2024 Memory Based Question Paper PDF (Feb 16, 2024)

1. Choose the word most similar in meaning to 'ABATE'.
(a) Diminish (b) Intensify
(c) Provoke (d) Sustain
2. Choose the word most opposite in meaning to 'CANDID'.
(a) Evasive (b) Frank
(c) Sincere (d) Truthful
3. Fill in the blank: The committee was divided _____ the issue of budget cuts.
(a) at (b) in
(c) on (d) for
4. Identify the part with the error: 'Neither the players nor the coach (A)/ were present (B)/ at the ceremony (C)/ held yesterday (D).'
5. Choose the correct meaning of the idiom 'to bite the bullet'.
(a) To act cowardly (b) To endure a painful situation bravely
(c) To make a mistake (d) To eat quickly
6. Select the correctly spelt word.
(a) Occassion (b) Occassionn
(c) Occasion (d) Ocasion
7. One word substitution: 'A person who does not believe in the existence of God.'
(a) Heretic (b) Agnostic
(c) Cynic (d) Atheist
8. Fill in the blank with the correct form: 'By the time we reached the station, the train _____.'
(a) was leaving (b) has left
(c) had left (d) left
9. Choose the synonym of 'PERTINENT'.
(a) Irrelevant (b) Confusing
(c) Temporary (d) Relevant
10. Choose the antonym of 'FRUGAL'.
(a) Extravagant (b) Careful
(c) Thrifty (d) Economical

- 11.** Fill in the blank: She is not only intelligent ____ hardworking.
(a) as well (b) and
(c) or (d) but also
- 12.** Choose the meaning of the idiom 'a storm in a teacup'.
(a) A sudden gain (b) A dangerous situation
(c) Much fuss over a trivial matter (d) A big disaster
- 13.** One word substitution: 'That which cannot be corrected.'
(a) Illegible (b) Indelible
(c) Incurable (d) Incredible
- 14.** Identify the correctly punctuated sentence.
(a) Where, are you going? (b) Where are you going?
(c) Where are you going. (d) Where are you going!
- 15.** Choose the synonym of 'ZEALOUS'.
(a) Enthusiastic (b) Indifferent
(c) Cautious (d) Lazy
- 16.** Fill in the blank: The manager objected ____ the proposal.
(a) against (b) on
(c) with (d) to
- 17.** Choose the antonym of 'BENEVOLENT'.
(a) Generous (b) Kind
(c) Gracious (d) Malevolent
- 18.** One word substitution: 'A speech made without preparation.'
(a) Extempore (b) Eulogy
(c) Epilogue (d) Elegy
- 19.** Choose the correctly spelt word.
(a) Privledge (b) Privelege
(c) Privilege (d) Priviledge
- 20.** Fill in the blank: He succeeded ____ his sustained efforts.
(a) because (b) in spite of
(c) due to (d) on account of
- 21.** Choose the meaning of 'to let the cat out of the bag'.
(a) To release an animal (b) To start a fight
(c) To reveal a secret (d) To create confusion

22. Choose the synonym of 'LUCID'.

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| (a) Clear | (b) Complicated |
| (c) Dull | (d) Obscure |

23. Identify the sentence with correct subject-verb agreement.

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| (a) Each of the boys has a book. | (b) Each of the boys have a book. |
| (c) Each of the boys are reading. | (d) Each of the boys were absent. |

24. One word substitution: 'A place where birds are kept.'

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| (a) Aquarium | (b) Apiary |
| (c) Sanctuary | (d) Aviary |

25. Choose the antonym of 'TRANSPARENT'.

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| (a) Opaque | (b) Obvious |
| (c) Clear | (d) Lucid |

26. Fill in the blank: Hardly had he entered the room _____ the lights went out.

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| (a) than | (b) that |
| (c) then | (d) when |

27. Choose the correctly spelt word.

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| (a) Maintainance | (b) Mentenance |
| (c) Maintenance | (d) Maintainence |

28. Choose the synonym of 'OBSTINATE'.

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| (a) Stubborn | (b) Flexible |
| (c) Gentle | (d) Agreeable |

29. One word substitution: 'The study of ancient societies through excavation.'

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| (a) Archaeology | (b) Etymology |
| (c) Anthropology | (d) Genealogy |

30. Fill in the blank: The two brothers quarrelled _____ the property.

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| (a) for | (b) at |
| (c) about of | (d) over |

31. The 'Panchsheel' agreement was signed between India and which country?

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| (a) Pakistan | (b) Nepal |
| (c) China | (d) Bhutan |

32. Which Article of the Indian Constitution deals with the abolition of untouchability?

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| (a) Article 17 | (b) Article 18 |
| (c) Article 15 | (d) Article 16 |

- 33.** The Tropic of Cancer does NOT pass through which of these Indian states?
- (a) Rajasthan (b) Odisha
(c) Tripura (d) Bihar
- 34.** Who was the first Indian to win a Nobel Prize?
- (a) Mother Teresa (b) C. V. Raman
(c) Rabindranath Tagore (d) Amartya Sen
- 35.** The headquarters of the International Atomic Energy Agency (IAEA) is located in:
- (a) Vienna (b) New York
(c) Geneva (d) Paris
- 36.** Which gas is predominantly responsible for the greenhouse effect?
- (a) Hydrogen (b) Carbon dioxide
(c) Oxygen (d) Nitrogen
- 37.** The Battle of Plassey was fought in which year?
- (a) 1764 (b) 1739
(c) 1757 (d) 1761
- 38.** 'Wings of Fire' is the autobiography of:
- (a) A. P. J. Abdul Kalam (b) Homi Bhabha
(c) Satish Dhawan (d) Vikram Sarabhai
- 39.** Which is the highest gallantry award of India?
- (a) Ashoka Chakra (b) Vir Chakra
(c) Maha Vir Chakra (d) Param Vir Chakra
- 40.** The Chief Election Commissioner of India is appointed by:
- (a) The President (b) The Parliament
(c) The Chief Justice (d) The Prime Minister
- 41.** Which vitamin is synthesised in the human body with the help of sunlight?
- (a) Vitamin C (b) Vitamin D
(c) Vitamin K (d) Vitamin A
- 42.** The Dandi March of 1930 was associated with which movement?
- (a) Civil Disobedience (b) Non-Cooperation
(c) Khilafat (d) Quit India
- 43.** Which planet is known as the 'Morning Star'?
- (a) Jupiter (b) Mercury
(c) Venus (d) Mars

- 44.** The Reserve Bank of India was established in which year?
- (a) 1949 (b) 1950
(c) 1935 (d) 1947
- 45.** The 'Simon Commission' visited India in the year:
- (a) 1928 (b) 1935
(c) 1930 (d) 1919
- 46.** Which river is known as the 'Sorrow of Bihar'?
- (a) Son (b) Gandak
(c) Ganga (d) Kosi
- 47.** The unit of electrical resistance is:
- (a) Ohm (b) Watt
(c) Volt (d) Ampere
- 48.** Chandrayaan-3 successfully landed near which region of the Moon in 2023?
- (a) North Pole (b) South Pole
(c) Far side (d) Equator
- 49.** Which Mughal emperor built the Buland Darwaza?
- (a) Akbar (b) Shah Jahan
(c) Jahangir (d) Babur
- 50.** The 'G20 Summit 2023' was hosted by which country?
- (a) India (b) Indonesia
(c) Italy (d) Brazil
- 51.** Which acid is present in the human stomach for digestion?
- (a) Hydrochloric acid (b) Nitric acid
(c) Sulphuric acid (d) Acetic acid
- 52.** The 'Fundamental Duties' were added to the Constitution by which Amendment?
- (a) 44th (b) 42nd
(c) 73rd (d) 24th
- 53.** The IAF fighter aircraft 'Tejas' is a product of which category?
- (a) MiG (b) Rafale
(c) Sukhoi (d) HAL LCA
- 54.** Which state has the longest coastline in India?
- (a) Kerala (b) Andhra Pradesh
(c) Tamil Nadu (d) Gujarat

- 55.** The '2024 Summer Olympics' were scheduled to be held in which city?
- (a) Los Angeles (b) Tokyo
(c) London (d) Paris
- 56.** A sum of money doubles itself in 8 years at simple interest. In how many years will it triple?
- (a) 16 (b) 20
(c) 24 (d) 12
- 57.** If 20% of a number is 60, what is 45% of the same number?
- (a) 90 (b) 135
(c) 150 (d) 120
- 58.** The average of five consecutive odd numbers is 27. What is the largest number?
- (a) 31 (b) 33
(c) 29 (d) 35
- 59.** A train 150 m long crosses a pole in 15 seconds. Its speed is:
- (a) 40 km/h (b) 36 km/h
(c) 45 km/h (d) 54 km/h
- 60.** A shopkeeper marks goods 40% above cost and gives a 25% discount. His profit percent is:
- (a) 15% (b) 5%
(c) 12% (d) 10%
- 61.** The ratio of two numbers is 3:5 and their sum is 64. The larger number is:
- (a) 24 (b) 32
(c) 40 (d) 36
- 62.** A can do a work in 12 days and B in 18 days. Working together, they finish it in:
- (a) 6.5 days (b) 8 days
(c) 7.2 days (d) 7.5 days
- 63.** Compound interest on Rs. 8000 at 10% per annum for 2 years is:
- (a) Rs. 1760 (b) Rs. 1720
(c) Rs. 1600 (d) Rs. 1680
- 64.** The area of a circle is 154 sq cm. Its radius (using $\pi = \frac{22}{7}$) is:
- (a) 7 cm (b) 14 cm
(c) 10.5 cm (d) 3.5 cm
- 65.** If the cost price of 15 articles equals the selling price of 12 articles, the profit percent is:
- (a) 30% (b) 25%
(c) 20% (d) 15%

- 66.** A man rows 30 km downstream in 3 hours and 18 km upstream in 3 hours. Speed of the stream is:
- (a) 1 km/h (b) 3 km/h
(c) 4 km/h (d) 2 km/h
- 67.** The LCM of 12, 15 and 20 is:
- (a) 120 (b) 30
(c) 180 (d) 60
- 68.** If $a:b = 2:3$ and $b:c = 4:5$, then $a:c$ is:
- (a) 8:5 (b) 8:15
(c) 2:5 (d) 3:5
- 69.** A number when divided by 5 leaves remainder 3. What is the remainder when its square is divided by 5?
- (a) 4 (b) 1
(c) 3 (d) 9
- 70.** The simple interest on Rs. 5000 at 8% for 3 years is:
- (a) Rs. 1300 (b) Rs. 1400
(c) Rs. 1000 (d) Rs. 1200
- 71.** A mixture contains milk and water in the ratio 5:1. To make it 5:2, how much water must be added to 60 litres?
- (a) 10 litres (b) 8 litres
(c) 12 litres (d) 15 litres
- 72.** The perimeter of a square is 48 cm. Its area is:
- (a) 196 sq cm (b) 169 sq cm
(c) 144 sq cm (d) 121 sq cm
- 73.** If 8 men can do a job in 20 days, how many men are needed to finish it in 16 days?
- (a) 11 (b) 10
(c) 9 (d) 12
- 74.** A sum becomes Rs. 2420 in 2 years at 10% compound interest. The principal is:
- (a) Rs. 2200 (b) Rs. 2100
(c) Rs. 2300 (d) Rs. 2000
- 75.** The value of $(0.6 \times 0.6 \times 0.6 + 0.4 \times 0.4 \times 0.4) / (0.6 \times 0.6 - 0.24 + 0.4 \times 0.4)$ is:
- (a) 0.2 (b) 0.5
(c) 2 (d) 1
- 76.** Find the next term: 3, 6, 11, 18, 27, ?
- (a) 36 (b) 38
(c) 40 (d) 42

77. If 'MOUSE' is coded as 'PRXVH', how is 'CAT' coded?

- (a) EDW
- (b) FDW
- (c) FCW
- (d) GDX

78. Pointing to a photograph, a man said, 'She is the daughter of my grandfather's only son.' How is the girl related to the man?

- (a) Sister
- (b) Cousin
- (c) Daughter
- (d) Niece

79. Choose the odd one out.

- (a) Square
- (b) Rectangle
- (c) Triangle
- (d) Circle

80. A is to the north of B, and C is to the east of B. In which direction is C with respect to A?

- (a) South-east
- (b) North-west
- (c) South-west
- (d) North-east

81. Complete the analogy: Doctor : Hospital :: Teacher : ?

- (a) Books
- (b) Education
- (c) School
- (d) Student

82. Statements: All pens are pencils. All pencils are erasers. Conclusion: All pens are erasers. This conclusion is:

- (a) False
- (b) Uncertain
- (c) Partially true
- (d) True

83. Find the missing number: 7, 14, 28, 56, ?

- (a) 112
- (b) 84
- (c) 98
- (d) 120

84. If in a certain code 'TEACHER' is written as 'VGCEJGT', how is 'CHILD' written?

- (a) EJKNF
- (b) EIKNF
- (c) EJKMF
- (d) FJKNF

85. Choose the odd one out.

- (a) Mercury
- (b) Zinc
- (c) Copper
- (d) Iron

86. A man walks 5 km north, turns right and walks 3 km, then turns right and walks 5 km. How far is he from the start?

- (a) 3 km
- (b) 5 km
- (c) 8 km
- (d) 13 km

87. Complete the series: Z, X, V, T, ?

- (a) P
- (b) Q
- (c) R
- (d) S

88. In a row of 40 students, Ravi is 12th from the left. What is his position from the right?

- (a) 27th
- (b) 30th
- (c) 28th
- (d) 29th

89. Choose the pair that is analogous to 'Hammer : Carpenter'.

- (a) Car : Driver
- (b) Book : Reader
- (c) Scalpel : Surgeon
- (d) Pen : Paper

90. If '+' means '/', '-' means 'x', 'x' means '+' and '/' means '-', find: $16 + 4 - 2 \times 8 / 4$.

- (a) 8
- (b) 12
- (c) 10
- (d) 16

91. Find the odd one out: 3, 5, 7, 12, 17, 19.

- (a) 17
- (b) 7
- (c) 5
- (d) 12

92. A clock shows 3:15. What is the angle between the hour and minute hands?

- (a) 7.5 degrees
- (b) 30 degrees
- (c) 15 degrees
- (d) 0 degrees

93. If South-East becomes North, North-East becomes West, then what does West become?

- (a) South-East
- (b) North-East
- (c) South-West
- (d) North-West

94. Complete the series: 1, 4, 9, 16, 25, ?

- (a) 49
- (b) 36
- (c) 30
- (d) 40

95. Six friends sit around a circle facing the centre. A is between B and C; D is between E and F. If B is to the right of A, then who is to the left of A?

- (a) F
- (b) E
- (c) D
- (d) C

96. Which figure completes the pattern if a square is folded along its diagonal twice?

- (a) A pentagon
- (b) A small square
- (c) A rectangle
- (d) A triangle one-fourth the size

97. The mirror image of the word 'AMBULANCE' as painted on a vehicle front reads correctly in a rear-view mirror. This is because the letters are:

- (a) Laterally inverted when printed
- (b) Written in italics
- (c) Upside down
- (d) Rotated 90 degrees

98. Find the next term: B2, D4, F6, H8, ?

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| (a) I10 | (b) K10 |
| (c) J10 | (d) J12 |

99. If a cube is painted red on all faces and cut into 27 equal smaller cubes, how many small cubes have exactly two faces painted?

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| (a) 4 | (b) 6 |
| (c) 12 | (d) 8 |

100. In a coded language, 'go home now' is 'pa la ta' and 'now or never' is 'ta ka na'. What is the code for 'now'?

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|--------|--------|
| (a) ta | (b) la |
| (c) ka | (d) pa |

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