

AFCAT 2 2024

AFCAT 2 2024 Memory Based Question Paper PDF (Aug 10, 2024)

1. Choose the word most similar in meaning to 'ALLEVIATE'.
(a) Relieve (b) Increase
(c) Worsen (d) Ignore
2. Choose the word most opposite in meaning to 'ABUNDANCE'.
(a) Surplus (b) Plenty
(c) Excess (d) Scarcity
3. Fill in the blank: He was absorbed _____ his work.
(a) with (b) at
(c) on (d) in
4. Identify the part with the error: 'The jury (A)/ were unanimous (B)/ in their (C)/ decision (D).'
- (a) B (b) D
(c) C (d) A
5. Choose the meaning of the idiom 'to break the ice'.
(a) To create a problem (b) To be cold
(c) To end a friendship (d) To start a conversation
6. Select the correctly spelt word.
(a) Acquaintence (b) Acquaintence
(c) Acquaintance (d) Acquaintance
7. One word substitution: 'A person who can speak two languages.'
(a) Bilingual (b) Monolingual
(c) Linguist (d) Polyglot
8. Fill in the blank: He behaves as if he _____ the boss.
(a) were (b) was
(c) be (d) is
9. Choose the synonym of 'DILIGENT'.
(a) Careless (b) Idle
(c) Hardworking (d) Lazy
10. Choose the antonym of 'CONCEAL'.
(a) Reveal (b) Hide
(c) Mask (d) Cover

- 11.** Fill in the blank: Rarely ____ such a brilliant performance.
- (a) do we see (b) see we
(c) we see (d) we have seen
- 12.** Choose the meaning of 'a blessing in disguise'.
- (a) A religious event (b) A hidden curse
(c) Something good that seemed bad at first (d) A costume
- 13.** One word substitution: 'A handwriting that cannot be read.'
- (a) Eligible (b) Negligible
(c) Legible (d) Illegible
- 14.** Identify the grammatically correct sentence.
- (a) Neither he nor I are wrong. (b) Neither he nor I is wrong.
(c) Neither he nor I am wrong. (d) Neither he or I am wrong.
- 15.** Choose the synonym of 'FEROCIOUS'.
- (a) Fierce (b) Mild
(c) Gentle (d) Tame
- 16.** Fill in the blank: He is capable ____ doing this job.
- (a) of (b) for
(c) to (d) in
- 17.** Choose the antonym of 'VICTORY'.
- (a) Success (b) Defeat
(c) Triumph (d) Conquest
- 18.** One word substitution: 'One who is present everywhere.'
- (a) Omnipresent (b) Omnivorous
(c) Omnipotent (d) Omniscient
- 19.** Choose the correctly spelt word.
- (a) Existence (b) Existance
(c) Exsistence (d) Existanse
- 20.** Fill in the blank: He is junior ____ me in service.
- (a) over (b) to
(c) than (d) from
- 21.** Choose the meaning of 'to pull someone's leg'.
- (a) To injure someone (b) To tease or joke with someone
(c) To help someone (d) To insult someone

22. Choose the synonym of 'RETICENT'.

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| (a) Bold | (b) Talkative |
| (c) Reserved | (d) Loud |

23. Identify the correct passive form of 'They are building a bridge.'

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|------------------------------|-------------------------|
| (a) A bridge was built. | (b) A bridge is built. |
| (c) A bridge is being built. | (d) A bridge has built. |

24. One word substitution: 'A person who repairs pipes and fittings.'

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|-----------------|---------------|
| (a) Electrician | (b) Carpenter |
| (c) Plumber | (d) Mechanic |

25. Choose the antonym of 'HUMBLE'.

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|------------|--------------|
| (a) Meek | (b) Modest |
| (c) Simple | (d) Arrogant |

26. Fill in the blank: I congratulated him ____ his success.

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|----------|--------|
| (a) for | (b) at |
| (c) with | (d) on |

27. Choose the correctly spelt word.

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|----------------|-----------------|
| (a) Convenient | (b) Convinient |
| (c) Conveniant | (d) Convienient |

28. Choose the synonym of 'CULMINATE'.

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|--------------|--------------|
| (a) Continue | (b) Conclude |
| (c) Pause | (d) Begin |

29. One word substitution: 'A period of a thousand years.'

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|------------|----------------|
| (a) Decade | (b) Millennium |
| (c) Score | (d) Century |

30. Fill in the blank: She insisted ____ paying the bill.

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|--------|---------|
| (a) on | (b) for |
| (c) to | (d) at |

31. The 'Anglo-Mysore Wars' were fought against which ruler?

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|-------------|-----------------|
| (a) Shivaji | (b) Tipu Sultan |
| (c) Bajirao | (d) Rana Pratap |

32. Which Article of the Constitution abolished titles?

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|----------------|----------------|
| (a) Article 18 | (b) Article 15 |
| (c) Article 19 | (d) Article 17 |

33. The 'Nathula Pass' connects India with:

- (a) Myanmar
- (b) China
- (c) Bhutan
- (d) Nepal

34. Who was the founder of the 'Brahmo Samaj'?

- (a) Dayanand Saraswati
- (b) Swami Vivekananda
- (c) Keshab Chandra Sen
- (d) Raja Ram Mohan Roy

35. The headquarters of the United Nations is located in:

- (a) Geneva
- (b) Vienna
- (c) Paris
- (d) New York

36. Which gas is most abundant in the Earth's atmosphere?

- (a) Carbon dioxide
- (b) Oxygen
- (c) Nitrogen
- (d) Argon

37. The 'Sepoy Mutiny' of 1857 was triggered by the introduction of:

- (a) The Doctrine of Lapse
- (b) Western education
- (c) Greased cartridges
- (d) New taxes

38. 'The Republic' was written by which philosopher?

- (a) Kautilya
- (b) Aristotle
- (c) Plato
- (d) Socrates

39. The highest civilian award of India is:

- (a) Bharat Ratna
- (b) Padma Bhushan
- (c) Param Vir Chakra
- (d) Padma Vibhushan

40. The Vice-President of India is the ex-officio Chairman of the:

- (a) Planning Commission
- (b) Lok Sabha
- (c) Supreme Court
- (d) Rajya Sabha

41. Deficiency of vitamin A causes:

- (a) Scurvy
- (b) Rickets
- (c) Beriberi
- (d) Night blindness

42. The 'Cripps Mission' came to India in the year:

- (a) 1946
- (b) 1942
- (c) 1939
- (d) 1947

43. Which planet is known as the 'Blue Planet'?

- (a) Neptune
- (b) Earth
- (c) Uranus
- (d) Mars

- 44.** 'PFRDA' regulates which sector in India?
- (a) Banking (b) Insurance
(c) Telecom (d) Pension
- 45.** The 'Dandi March' covered a distance of approximately:
- (a) 390 km (b) 240 km
(c) 500 km (d) 150 km
- 46.** Which is the highest waterfall in India?
- (a) Dudhsagar Falls (b) Kunchikal Falls
(c) Nohkalikai Falls (d) Jog Falls
- 47.** The SI unit of energy is:
- (a) Watt (b) Pascal
(c) Newton (d) Joule
- 48.** The first satellite launched by India was:
- (a) Aryabhata (b) Rohini
(c) Bhaskara (d) INSAT
- 49.** Which Mughal ruler is buried in the Taj Mahal along with his queen?
- (a) Aurangzeb (b) Shah Jahan
(c) Akbar (d) Jahangir
- 50.** The IAF's newest indigenous light combat helicopter is named:
- (a) Chetak (b) Rudra
(c) Prachand (d) Dhruv
- 51.** Which acid is naturally present in lemons?
- (a) Tartaric acid (b) Citric acid
(c) Acetic acid (d) Lactic acid
- 52.** The 'Concurrent List' is part of which schedule?
- (a) Sixth (b) Ninth
(c) Eighth (d) Seventh
- 53.** The IAF's transport aircraft C-17 is known as:
- (a) Avro (b) Hercules
(c) Super Hercules (d) Globemaster III
- 54.** Which state is the largest producer of wheat in India?
- (a) Uttar Pradesh (b) Punjab
(c) Madhya Pradesh (d) Haryana

55. The Euro 2024 football championship was won by which country?
(a) Germany (b) England
(c) France (d) Spain
56. The simple interest on a sum for 5 years is Rs. 2000 at 8%. The principal is:
(a) Rs. 6000 (b) Rs. 4500
(c) Rs. 5000 (d) Rs. 5500
57. If 75% of a number is 150, then 40% of the number is:
(a) 90 (b) 70
(c) 80 (d) 100
58. The average of 11 results is 60. If the average of the first six is 58 and of the last six is 63, the sixth result is:
(a) 62 (b) 66
(c) 64 (d) 60
59. A train 250 m long crosses a platform 350 m long in 30 seconds. Its speed is:
(a) 48 km/h (b) 54 km/h
(c) 72 km/h (d) 60 km/h
60. A shopkeeper marks up goods by 50% and gives a discount of 20%. His profit percent is:
(a) 25% (b) 15%
(c) 30% (d) 20%
61. If $a:b = 2:3$, $b:c = 4:5$, $c:d = 6:7$, then $a:d$ is:
(a) 48:105 (b) 16:105
(c) 8:35 (d) 16:35
62. A alone does a work in 20 days, B in 30 days, C in 60 days. Together they finish it in:
(a) 10 days (b) 15 days
(c) 12 days (d) 8 days
63. The compound interest on Rs. 15000 at 8% for 2 years is:
(a) Rs. 2400 (b) Rs. 2496
(c) Rs. 2500 (d) Rs. 2560
64. The volume of a cylinder with radius 7 cm and height 10 cm ($\pi = 22/7$) is:
(a) 1440 cu cm (b) 1400 cu cm
(c) 1640 cu cm (d) 1540 cu cm
65. A man buys an article and sells it at Rs. 1035 with a profit of 15%. The cost price is:
(a) Rs. 900 (b) Rs. 850
(c) Rs. 950 (d) Rs. 1000

66. A boat goes 20 km upstream in 5 hours and 20 km downstream in 2 hours. The speed of the boat in still water is:

- (a) 9 km/h
- (b) 7 km/h
- (c) 6 km/h
- (d) 8 km/h

67. The HCF of two numbers is 8 and their LCM is 48. If one number is 24, the other is:

- (a) 6
- (b) 16
- (c) 8
- (d) 12

68. If $x^2 + y^2 = 25$ and $xy = 12$, then $(x + y)^2$ equals:

- (a) 45
- (b) 49
- (c) 50
- (d) 37

69. A sum at 12% simple interest amounts to Rs. 2240 in 4 years. The principal is:

- (a) Rs. 1700
- (b) Rs. 1600
- (c) Rs. 1400
- (d) Rs. 1500

70. In a mixture of 45 litres, milk and water are in ratio 4:1. Water to be added for 3:2 ratio is:

- (a) 12 litres
- (b) 18 litres
- (c) 10 litres
- (d) 15 litres

71. The area of a trapezium with parallel sides 10 cm and 14 cm and height 8 cm is:

- (a) 96 sq cm
- (b) 84 sq cm
- (c) 100 sq cm
- (d) 88 sq cm

72. If 18 men build a wall in 24 days, how many days will 27 men take?

- (a) 18
- (b) 14
- (c) 16
- (d) 20

73. A sum becomes 4 times in 8 years at compound interest. In how many years will it double?

- (a) 4
- (b) 3
- (c) 2
- (d) 6

74. The value of $(0.09)^{(1/2)}$ is:

- (a) 0.09
- (b) 0.9
- (c) 0.03
- (d) 0.3

75. Two pipes fill a tank in 12 and 18 minutes respectively. Together they fill it in:

- (a) 7.2 min
- (b) 7.5 min
- (c) 8 min
- (d) 6.6 min

76. Find the next term: 2, 6, 18, 54, ?

- (a) 108
- (b) 150
- (c) 162
- (d) 216

77. If 'DAY' is coded as 'WXB', how is 'YEAR' coded (each letter replaced by its complement to 27, i.e., A=Z pattern)?

- (a) AVZI
- (b) BVYI
- (c) BVZI
- (d) BWZI

78. Pointing to a photograph, a woman said, 'He is the son of the only daughter of my father.' How is he related to her?

- (a) Nephew
- (b) Brother
- (c) Cousin
- (d) Son

79. Choose the odd one out.

- (a) Sofa
- (b) Curtain
- (c) Table
- (d) Chair

80. A man drives 15 km south, 8 km east, then 15 km north. How far is he from the start?

- (a) 8 km
- (b) 10 km
- (c) 15 km
- (d) 23 km

81. Complete the analogy: Water : Thirst :: Food : ?

- (a) Taste
- (b) Cook
- (c) Eat
- (d) Hunger

82. Statements: No cat is a dog. All dogs are pets. Conclusion: Some pets are not cats. This is:

- (a) True
- (b) None
- (c) Uncertain
- (d) False

83. Find the missing number: 5, 11, 21, 35, 53, ?

- (a) 73
- (b) 75
- (c) 77
- (d) 71

84. If 'LION' is coded as 'KHNM', how is 'BEAR' coded?

- (a) ACZQ
- (b) ADZQ
- (c) ADYQ
- (d) ADZP

85. Choose the odd one out.

- (a) 216
- (b) 64
- (c) 125
- (d) 100

86. A person walks 9 km east, 12 km north. The shortest distance to the origin is:

- (a) 21 km
- (b) 15 km
- (c) 13 km
- (d) 17 km

87. Complete the series: A, E, I, M, ?

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

88. In a queue of 30 people, if a person is 12th from the back, his position from the front is:

- (a) 19th
- (b) 18th
- (c) 20th
- (d) 17th

89. Choose the pair analogous to 'Bird : Nest'.

- (a) Cat : Fur
- (b) Fish : Water
- (c) Horse : Field
- (d) Dog : Kennel

90. If '/' means 'x', 'x' means '-', '-' means '+', '+' means '/', find: $36 / 2 - 4 + 8$.

- (a) 76
- (b) 72
- (c) 72.5
- (d) 74

91. Find the odd one: 13, 17, 19, 21, 23.

- (a) 17
- (b) 19
- (c) 21
- (d) 23

92. The angle between the hands of a clock at 2:30 is:

- (a) 125 degrees
- (b) 105 degrees
- (c) 90 degrees
- (d) 120 degrees

93. If North-West becomes South, and North-East becomes West, then South-West becomes:

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

94. Complete the series: 6, 11, 18, 27, 38, ?

- (a) 52
- (b) 51
- (c) 50
- (d) 49

95. Eight people sit around a round table. If A faces C, and there are three people between them on one side, how many are between them on the other side?

- (a) 5
- (b) 3
- (c) 4
- (d) 2

96. A cube painted on all sides is cut into 64 small cubes. How many have exactly two faces painted?

- (a) 36
- (b) 12
- (c) 48
- (d) 24

97. How many triangles are formed inside a regular pentagon when all diagonals from one vertex are drawn?

- (a) 3
- (b) 4
- (c) 5
- (d) 2

98. Find the next term: P3, R6, T12, V24, ?

- (a) X24
- (b) Y48
- (c) X48
- (d) W48

99. Which of these letters looks the same when rotated 180 degrees?

- | | |
|-------|-------|
| (a) N | (b) F |
| (c) Z | (d) P |

100. In a code, 'good morning sir' is 'ba na ka' and 'good night' is 'ka ta'. What is the code for 'good'?

- | | |
|--------|--------|
| (a) na | (b) ta |
| (c) ba | (d) ka |

