

AFCAT 2 2024

AFCAT 2 2024 Memory Based Question Paper PDF (Aug 11, 2024)

1. Choose the word most similar in meaning to 'OBSOLETE'.
(a) Modern (b) Current
(c) Outdated (d) New
2. Choose the word most opposite in meaning to 'CONDENSE'.
(a) Reduce (b) Compress
(c) Expand (d) Shrink
3. Fill in the blank: He is devoid ____ common sense.
(a) with (b) of
(c) from (d) in
4. Identify the part with the error: 'Ram as well as (A)/ his friends (B)/ were (C)/ present (D).'
- (a) B (b) D
(c) A (d) C
5. Choose the meaning of the idiom 'to keep one's fingers crossed'.
(a) To be angry (b) To be dishonest
(c) To lie (d) To hope for the best
6. Select the correctly spelt word.
(a) Fascinnate (b) Fascinate
(c) Facinate (d) Fasinate
7. One word substitution: 'A person who journeys on foot.'
(a) Passenger (b) Traveller
(c) Pedestrian (d) Commuter
8. Fill in the blank: It is high time we ____ a decision.
(a) made (b) make
(c) have made (d) will make
9. Choose the synonym of 'PACIFY'.
(a) Provoke (b) Soothe
(c) Enrage (d) Irritate
10. Choose the antonym of 'ASCEND'.
(a) Climb (b) Rise
(c) Soar (d) Descend

- 11.** Fill in the blank: Seldom ____ such courage in a young child.
(a) we find (b) do we find
(c) find we (d) we do find
- 12.** Choose the meaning of 'to cost an arm and a leg'.
(a) To be very cheap (b) To be free
(c) To be very expensive (d) To be injured
- 13.** One word substitution: 'That which lasts for a very short time.'
(a) Eternal (b) Perpetual
(c) Ephemeral (d) Permanent
- 14.** Identify the grammatically correct sentence.
(a) Neither of them is here. (b) Neither of them are here.
(c) Neither of them have come. (d) Neither of them were here.
- 15.** Choose the synonym of 'CANDOUR'.
(a) Cunning (b) Falsehood
(c) Frankness (d) Deceit
- 16.** Fill in the blank: The road is parallel ____ the river.
(a) with (b) to
(c) of (d) for
- 17.** Choose the antonym of 'DEFICIT'.
(a) Shortage (b) Loss
(c) Lack (d) Surplus
- 18.** One word substitution: 'A person who believes that all events are predetermined.'
(a) Realist (b) Idealist
(c) Fatalist (d) Optimist
- 19.** Choose the correctly spelt word.
(a) Tomorrow (b) Tomorrow
(c) Tommorrow (d) Tommorrow
- 20.** Fill in the blank: He is oblivious ____ his surroundings.
(a) with (b) on
(c) of (d) for
- 21.** Choose the meaning of 'to throw in the towel'.
(a) To clean up (b) To fight harder
(c) To win (d) To give up

22. Choose the synonym of 'ABHOR'.

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|------------|-------------|
| (a) Admire | (b) Detest |
| (c) Love | (d) Cherish |

23. Identify the passive form of 'Someone has stolen my bag.'

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|------------------------|-----------------------------|
| (a) My bag had stolen. | (b) My bag was stolen. |
| (c) My bag is stolen. | (d) My bag has been stolen. |

24. One word substitution: 'A doctor who treats teeth.'

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|---------------|-------------|
| (a) Optician | (b) Dentist |
| (c) Physician | (d) Surgeon |

25. Choose the antonym of 'PROLONG'.

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|-------------|--------------|
| (a) Extend | (b) Lengthen |
| (c) Shorten | (d) Continue |

26. Fill in the blank: She was aware _____ the danger.

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|---------|-----------|
| (a) for | (b) with |
| (c) of | (d) about |

27. Choose the correctly spelt word.

- | | |
|------------------|------------------|
| (a) Entreprenuer | (b) Enterprenuer |
| (c) Enterpreneur | (d) Entrepreneur |

28. Choose the synonym of 'WANE'.

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|--------------|----------|
| (a) Increase | (b) Grow |
| (c) Decline | (d) Rise |

29. One word substitution: 'The killing of one's brother.'

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|---------------|----------------|
| (a) Matricide | (b) Patricide |
| (c) Homicide | (d) Fratricide |

30. Fill in the blank: He complied _____ the rules.

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

31. The 'Doctrine of Lapse' was introduced by:

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|--------------------|--------------------|
| (a) Lord Ripon | (b) Lord Dalhousie |
| (c) Lord Wellesley | (d) Lord Curzon |

32. Which Article of the Constitution deals with the Right to Equality?

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|----------------|----------------|
| (a) Article 25 | (b) Article 19 |
| (c) Article 14 | (d) Article 21 |

33. The 'Wagah Border' lies between India and:

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

34. Who founded the 'Servants of India Society'?

- (a) Bal Gangadhar Tilak
- (b) Lala Lajpat Rai
- (c) Bipin Chandra Pal
- (d) Gopal Krishna Gokhale

35. The headquarters of the World Trade Organization (WTO) is in:

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

36. Which gas is released during photosynthesis?

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

37. The 'Treaty of Srirangapatnam' was signed in the year:

- (a) 1784
- (b) 1792
- (c) 1805
- (d) 1799

38. 'Gitanjali' was written by:

- (a) Sarojini Naidu
- (b) Kazi Nazrul Islam
- (c) Bankim Chandra
- (d) Rabindranath Tagore

39. The 'Ashoka Chakra' is awarded for:

- (a) Literature
- (b) Sports
- (c) Wartime valour
- (d) Most conspicuous bravery not in the face of the enemy

40. The President of India is elected by:

- (a) Prime Minister
- (b) Direct vote
- (c) Parliament only
- (d) Electoral college

41. Deficiency of vitamin D causes:

- (a) Anaemia
- (b) Scurvy
- (c) Rickets
- (d) Beriberi

42. The 'Individual Satyagraha' was launched in the year:

- (a) 1945
- (b) 1942
- (c) 1940
- (d) 1930

43. Which planet is the coldest in the solar system?

- (a) Jupiter
- (b) Saturn
- (c) Uranus
- (d) Neptune

- 44.** The 'FSSAI' regulates which of the following?
- (a) Food safety (b) Insurance
(c) Banking (d) Telecom
- 45.** The 'Cabinet Mission' arrived in India in the year:
- (a) 1947 (b) 1942
(c) 1945 (d) 1946
- 46.** Which is the largest saltwater lake in India?
- (a) Chilika (b) Wular
(c) Sambhar (d) Pulicat
- 47.** The SI unit of pressure is:
- (a) Joule (b) Pascal
(c) Watt (d) Newton
- 48.** India's first indigenous nuclear-powered submarine is:
- (a) INS Arihant (b) INS Vikrant
(c) INS Chakra (d) INS Kalvari
- 49.** Which ruler of the Maurya dynasty embraced Buddhism after the Kalinga war?
- (a) Bindusara (b) Brihadratha
(c) Ashoka (d) Chandragupta Maurya
- 50.** The IAF's mid-air refuelling aircraft is the:
- (a) AN-32 (b) IL-78
(c) C-130J (d) Do-228
- 51.** Which gas is used in fire extinguishers?
- (a) Nitrogen (b) Carbon dioxide
(c) Oxygen (d) Hydrogen
- 52.** The 'Eighth Schedule' of the Constitution deals with:
- (a) Anti-defection (b) Division of powers
(c) Official languages (d) Panchayats
- 53.** The IAF's advanced surface-to-air missile system jointly developed with Israel is:
- (a) Akash (b) Barak-8 / MRSAM
(c) QRSAM (d) S-400
- 54.** Which state is the largest producer of cotton in India?
- (a) Telangana (b) Punjab
(c) Maharashtra (d) Gujarat

55. The 2024 T20 Cricket World Cup was won by which country?
(a) India (b) South Africa
(c) England (d) Australia
56. The simple interest on Rs. 12000 at 7.5% for 4 years is:
(a) Rs. 3500 (b) Rs. 3400
(c) Rs. 3600 (d) Rs. 3200
57. If 80% of a number is 320, then 55% of the number is:
(a) 200 (b) 210
(c) 230 (d) 220
58. The average of 8 numbers is 25. If each number is multiplied by 3, the new average is:
(a) 50 (b) 25
(c) 75 (d) 28
59. A train 180 m long crosses a platform 220 m long in 20 seconds. Its speed is:
(a) 54 km/h (b) 60 km/h
(c) 48 km/h (d) 72 km/h
60. A dealer buys goods at a 20% discount on the list price and sells at the list price. His profit percent is:
(a) 20% (b) 18%
(c) 25% (d) 22%
61. If $a:b = 5:8$ and $b:c = 4:9$, then $a:b:c$ is:
(a) 5:8:9 (b) 20:32:36
(c) 20:32:72 (d) 5:32:9
62. A can finish a job in 18 days and B in 9 days. B works for 3 days, then leaves. A finishes the rest in:
(a) 10 days (b) 11 days
(c) 12 days (d) 13 days
63. The compound interest on Rs. 20000 at 10% for 2 years compounded annually is:
(a) Rs. 4100 (b) Rs. 4000
(c) Rs. 4300 (d) Rs. 4200
64. The curved surface area of a cylinder of radius 7 cm and height 10 cm ($\pi = 22/7$) is:
(a) 400 sq cm (b) 440 sq cm
(c) 460 sq cm (d) 420 sq cm
65. A man sells a watch at a 12% loss for Rs. 880. Its cost price is:
(a) Rs. 950 (b) Rs. 1050
(c) Rs. 900 (d) Rs. 1000

66. A boat rows 15 km downstream and 15 km upstream in a total of 4 hours. If the stream speed is 2 km/h, the boat speed in still water is:

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

67. The LCM of 8, 12, 16 and 24 is:

- (a) 144
- (b) 72
- (c) 48
- (d) 96

68. If $a + b = 12$ and $a - b = 4$, then $a^2 - b^2$ equals:

- (a) 44
- (b) 56
- (c) 50
- (d) 48

69. A sum of Rs. 2500 at simple interest becomes Rs. 3100 in 3 years. The rate is:

- (a) 6%
- (b) 8%
- (c) 7%
- (d) 9%

70. A shopkeeper mixes 30 kg of rice at Rs. 20/kg with 20 kg at Rs. 30/kg. The average price per kg is:

- (a) Rs. 24
- (b) Rs. 26
- (c) Rs. 22
- (d) Rs. 25

71. The area of an equilateral triangle of side 6 cm is:

- (a) $18\sqrt{3}$ sq cm
- (b) $6\sqrt{3}$ sq cm
- (c) $9\sqrt{3}$ sq cm
- (d) $12\sqrt{3}$ sq cm

72. If 24 men complete a task in 15 days, how many men are needed to finish it in 9 days?

- (a) 40
- (b) 42
- (c) 36
- (d) 45

73. A sum becomes 9 times in 2 years at compound interest. The annual rate is:

- (a) 150%
- (b) 300%
- (c) 200%
- (d) 100%

74. The value of 15% of 40% of 500 is:

- (a) 20
- (b) 25
- (c) 35
- (d) 30

75. Two pipes A and B fill a tank in 15 and 10 minutes. A pipe C empties it in 30 minutes. All open together fill it in:

- (a) 6 min
- (b) 7.5 min
- (c) 10 min
- (d) 5 min

76. Find the next term: 1, 2, 6, 24, 120, ?

- (a) 600
- (b) 840
- (c) 720
- (d) 700

77. If 'GO' is coded as 'HP', how is 'STOP' coded?

- | | |
|----------|----------|
| (a) TUPQ | (b) TUPP |
| (c) TVPQ | (d) TUQP |

78. Pointing to a girl, a boy said, 'She is the daughter of my mother's brother.' How is she related to the boy?

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|------------|------------|
| (a) Cousin | (b) Sister |
| (c) Aunt | (d) Niece |

79. Choose the odd one out.

- | | |
|-------------|----------|
| (a) Silver | (b) Gold |
| (c) Diamond | (d) Iron |

80. A man walks 12 km north, 5 km east, then 12 km south. How far is he from the start?

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

81. Complete the analogy: Clock : Time :: Thermometer : ?

- | | |
|-----------------|--------------|
| (a) Temperature | (b) Pressure |
| (c) Heat | (d) Weather |

82. Statements: All engineers are graduates. Some graduates are teachers. Conclusion: Some engineers are teachers. This is:

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

83. Find the missing number: 4, 12, 36, 108, ?

- | | |
|---------|---------|
| (a) 324 | (b) 216 |
| (c) 312 | (d) 300 |

84. If 'CLOCK' is coded as 'DMPDL', how is 'WATCH' coded?

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|-----------|-----------|
| (a) XBVDI | (b) XBUCI |
| (c) XBUDH | (d) XBUDI |

85. Choose the odd one out.

- | | |
|--------|--------|
| (a) 12 | (b) 36 |
| (c) 24 | (d) 50 |

86. A person goes 8 km west, then 15 km south. The shortest distance to the start is:

- | | |
|-----------|-----------|
| (a) 17 km | (b) 23 km |
| (c) 13 km | (d) 20 km |

87. Complete the series: C, F, I, L, ?

- | | |
|-------|-------|
| (a) O | (b) M |
|-------|-------|

88. In a row, A is 10th from the left and 16th from the right. Total number of people is:

- (a) 24
- (b) 25
- (c) 23
- (d) 26

89. Choose the pair analogous to 'Glove : Hand'.

- (a) Shoe : Lace
- (b) Belt : Buckle
- (c) Hat : Coat
- (d) Sock : Foot

90. If '+' means '-', '-' means 'x', 'x' means '/', '/' means '+', find: $12 + 6 - 2 \times 3 / 1$.

- (a) 7
- (b) 8
- (c) 9
- (d) 6

91. Find the odd one: 4, 8, 12, 18, 20.

- (a) 8
- (b) 12
- (c) 20
- (d) 18

92. The angle between the hands of a clock at 5:00 is:

- (a) 180 degrees
- (b) 120 degrees
- (c) 150 degrees
- (d) 90 degrees

93. If clockwise becomes anticlockwise and East is where West used to be, then a person facing North now actually faces:

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

94. Complete the series: 3, 7, 13, 21, 31, ?

- (a) 42
- (b) 45
- (c) 43
- (d) 41

95. Five friends stand in a line. R is taller than S but shorter than T. Q is shorter than S. P is the tallest. Who is the shortest?

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

96. A cube is painted and cut into 27 equal cubes. How many have no face painted?

- (a) 0
- (b) 1
- (c) 6
- (d) 8

97. The number of diagonals in a hexagon is:

- (a) 6
- (b) 12
- (c) 15
- (d) 9

98. Find the next term: M2, N6, O12, P20, ?

- (a) R30
- (b) Q30
- (c) Q32
- (d) Q28

99. Which of these figures, when a paper is folded once and a hole is punched, will show two symmetric holes when unfolded?

- (a) No fold
- (b) A crumpled sheet
- (c) A torn sheet
- (d) A single fold along the centre

100. In a code, 'fly high sky' is 'ma pa na' and 'sky blue' is 'na ka'. What is the code for 'sky'?

- (a) ka
- (b) ma
- (c) pa
- (d) na

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