

AFCAT 1 2024

AFCAT 1 2024 Memory Based Question Paper PDF (Feb 17, 2024)

1. Choose the word most similar in meaning to 'PRUDENT'.
(a) Cautious (b) Foolish
(c) Hasty (d) Reckless
2. Choose the word most opposite in meaning to 'AMICABLE'.
(a) Hostile (b) Cordial
(c) Friendly (d) Peaceful
3. Fill in the blank: He is senior _____ me by three years.
(a) than (b) to
(c) over (d) from
4. Identify the part with the error: 'The number of accidents (A)/ have increased (B)/ considerably (C)/ this year (D).'
5. Choose the meaning of the idiom 'to burn the midnight oil'.
(a) To be lazy (b) To work late into the night
(c) To cause a fire (d) To waste time
6. Select the correctly spelt word.
(a) Embarras (b) Embarass
(c) Embaras (d) Embarrass
7. One word substitution: 'A person who eats too much.'
(a) Gourmet (b) Connoisseur
(c) Epicure (d) Glutton
8. Fill in the blank: If I _____ you, I would accept the offer.
(a) was (b) am
(c) were (d) be
9. Choose the synonym of 'AUGMENT'.
(a) Weaken (b) Divide
(c) Increase (d) Reduce
10. Choose the antonym of 'HUMILITY'.
(a) Respect (b) Arrogance
(c) Meekness (d) Modesty

- 11.** Fill in the blank: Scarcely had the sun risen _____ the birds began to chirp.
(a) and (b) then
(c) when (d) than
- 12.** Choose the meaning of the idiom 'to add fuel to the fire'.
(a) To provide help (b) To calm a situation
(c) To start cooking (d) To make a bad situation worse
- 13.** One word substitution: 'One who loves mankind.'
(a) Altruist (b) Egoist
(c) Philanthropist (d) Misanthrope
- 14.** Identify the correctly structured sentence.
(a) He said he come. (b) He say that he came.
(c) He said that he would come. (d) He said that he will come.
- 15.** Choose the synonym of 'TENACIOUS'.
(a) Loose (b) Fragile
(c) Weak (d) Persistent
- 16.** Fill in the blank: She was accused _____ theft.
(a) on (b) for
(c) of (d) with
- 17.** Choose the antonym of 'DILIGENT'.
(a) Attentive (b) Lazy
(c) Careful (d) Hardworking
- 18.** One word substitution: 'A word or phrase that reads the same backwards.'
(a) Anagram (b) Synonym
(c) Homonym (d) Palindrome
- 19.** Choose the correctly spelt word.
(a) Recieve (b) Recieve
(c) Recieve (d) Receive
- 20.** Fill in the blank: Neither of the two answers _____ correct.
(a) are (b) have been
(c) were (d) is
- 21.** Choose the meaning of 'to make a mountain out of a molehill'.
(a) To solve a big issue (b) To climb a hill
(c) To exaggerate a small problem (d) To ignore a problem

22. Choose the synonym of 'GARRULOUS'.

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| (a) Talkative | (b) Shy |
| (c) Rude | (d) Silent |

23. Identify the sentence in the passive voice.

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| (a) He is writing a letter. | (b) He will write a letter. |
| (c) He wrote a letter. | (d) A letter was written by him. |

24. One word substitution: 'A place for keeping money and valuables safely.'

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|------------|--------------|
| (a) Locker | (b) Treasury |
| (c) Vault | (d) Bank |

25. Choose the antonym of 'OPTIMIST'.

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|---------------|--------------|
| (a) Pessimist | (b) Realist |
| (c) Cynic | (d) Idealist |

26. Fill in the blank: He apologised _____ his mistake.

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

27. Choose the correctly spelt word.

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|---------------|--------------|
| (a) Committee | (b) Commitee |
| (c) Comittee | (d) Committe |

28. Choose the synonym of 'ELUSIVE'.

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| (a) Simple | (b) Obvious |
| (c) Evasive | (d) Clear |

29. One word substitution: 'A doctor who treats children.'

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| (a) Cardiologist | (b) Orthopaedist |
| (c) Paediatrician | (d) Neurologist |

30. Fill in the blank: The train was delayed _____ heavy rain.

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| (a) because | (b) owing to |
| (c) in spite of | (d) although |

31. The 'Quit India Movement' was launched in which year?

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| (a) 1942 | (b) 1930 |
| (c) 1947 | (d) 1945 |

32. Which Article of the Constitution allows the President to declare a national emergency?

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|-----------------|-----------------|
| (a) Article 360 | (b) Article 370 |
| (c) Article 356 | (d) Article 352 |

- 33.** The Sun is composed mainly of which two elements?
- (a) Helium and Neon (b) Carbon and Oxygen
(c) Oxygen and Nitrogen (d) Hydrogen and Helium
- 34.** Who founded the Arya Samaj?
- (a) Raja Ram Mohan Roy (b) Swami Dayanand Saraswati
(c) Keshab Chandra Sen (d) Swami Vivekananda
- 35.** The headquarters of the World Health Organization (WHO) is in:
- (a) Geneva (b) Rome
(c) Paris (d) New York
- 36.** Which is the hardest naturally occurring substance?
- (a) Iron (b) Diamond
(c) Platinum (d) Gold
- 37.** The 'Third Battle of Panipat' was fought in which year?
- (a) 1761 (b) 1556
(c) 1857 (d) 1526
- 38.** 'The Discovery of India' was written by:
- (a) Jawaharlal Nehru (b) Mahatma Gandhi
(c) B. R. Ambedkar (d) Sardar Patel
- 39.** Which peace-time gallantry award is equivalent to the Param Vir Chakra?
- (a) Ashoka Chakra (b) Shaurya Chakra
(c) Kirti Chakra (d) Vir Chakra
- 40.** The Rajya Sabha member is elected for a term of:
- (a) 5 years (b) 4 years
(c) 2 years (d) 6 years
- 41.** Deficiency of which vitamin causes scurvy?
- (a) Vitamin C (b) Vitamin B
(c) Vitamin D (d) Vitamin A
- 42.** The 'Champaran Satyagraha' of 1917 was related to:
- (a) Textile workers (b) Land revenue
(c) Salt (d) Indigo cultivation
- 43.** Which planet is nearest to the Sun?
- (a) Mars (b) Mercury
(c) Venus (d) Earth

44. The 'SEBI' regulates which sector in India?

- (a) Banking
- (b) Telecom
- (c) Insurance
- (d) Securities market

45. The 'Rowlatt Act' was passed in which year?

- (a) 1920
- (b) 1919
- (c) 1921
- (d) 1922

46. Which river is the largest tributary of the Ganga?

- (a) Gandak
- (b) Ghaghara
- (c) Yamuna
- (d) Kosi

47. The SI unit of power is:

- (a) Joule
- (b) Pascal
- (c) Watt
- (d) Newton

48. India's Mars Orbiter Mission is popularly known as:

- (a) Aditya
- (b) Mangalyaan
- (c) Gaganyaan
- (d) Chandrayaan

49. Which Sultan of Delhi shifted the capital from Delhi to Daulatabad?

- (a) Alauddin Khilji
- (b) Firoz Shah Tughlaq
- (c) Iltutmish
- (d) Muhammad bin Tughlaq

50. The 'Aditya-L1' mission launched by ISRO is aimed at studying the:

- (a) Sun
- (b) Venus
- (c) Moon
- (d) Mars

51. Which acid is used in car batteries?

- (a) Sulphuric acid
- (b) Nitric acid
- (c) Hydrochloric acid
- (d) Acetic acid

52. The 'Directive Principles of State Policy' are borrowed from the Constitution of:

- (a) Canada
- (b) UK
- (c) USA
- (d) Ireland

53. The IAF's aerobatic display team is known as:

- (a) Garud
- (b) Suryakiran
- (c) Sarang
- (d) Akash Ganga

54. Which state is the largest producer of tea in India?

- (a) Assam
- (b) West Bengal
- (c) K r l
- (d) T mil N

55. The 'Nobel Prize in Economics' was awarded to which Indian-origin economist in 2019?

- (a) Kaushik Basu
- (b) Abhijit Banerjee
- (c) Raghuram Rajan
- (d) Amartya Sen

56. A sum triples in 12 years at simple interest. The rate of interest per annum is:

- (a) 12.5%
- (b) 15%
- (c) 20%
- (d) 16.67%

57. If 35% of a number is 105, then 60% of the number is:

- (a) 180
- (b) 120
- (c) 150
- (d) 210

58. The average of the first 20 natural numbers is:

- (a) 10
- (b) 10.5
- (c) 20.5
- (d) 11

59. Two trains of lengths 120 m and 180 m cross each other in 15 seconds while moving in opposite directions at equal speeds. The speed of each is:

- (a) 36 km/h
- (b) 54 km/h
- (c) 18 km/h
- (d) 72 km/h

60. An article marked at Rs. 500 is sold at Rs. 425 after discount. The discount percent is:

- (a) 20%
- (b) 18%
- (c) 12%
- (d) 15%

61. If $a:b = 5:7$ and $b:c = 6:11$, then $a:b:c$ is:

- (a) 30:42:77
- (b) 5:7:11
- (c) 15:21:33
- (d) 30:42:66

62. A and B together complete a task in 10 days; A alone in 15 days. B alone takes:

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

63. The difference between compound and simple interest on Rs. 10000 at 10% for 2 years is:

- (a) Rs. 200
- (b) Rs. 100
- (c) Rs. 150
- (d) Rs. 50

64. The volume of a cube whose surface area is 96 sq cm is:

- (a) 72 cubic cm
- (b) 48 cubic cm
- (c) 96 cubic cm
- (d) 64 cubic cm

65. By selling an article for Rs. 480, a man gains 20%. To gain 25%, he should sell it for:

- (a) Rs. 490
- (b) Rs. 500
- (c) Rs. 520
- (d) Rs. 510

66. A boat covers 24 km downstream in 2 hours and 12 km upstream in 2 hours. The speed of the current is:

- (a) 4 km/h
- (b) 6 km/h
- (c) 5 km/h
- (d) 3 km/h

67. The HCF of 48, 72 and 108 is:

- (a) 6
- (b) 12
- (c) 18
- (d) 24

68. If $x + \frac{1}{x} = 5$, then $x^2 + \frac{1}{x^2}$ equals:

- (a) 27
- (b) 25
- (c) 21
- (d) 23

69. The simple interest on a sum for 4 years at 6% is Rs. 1440. The principal is:

- (a) Rs. 6000
- (b) Rs. 6500
- (c) Rs. 5500
- (d) Rs. 5000

70. A mixture of 40 litres has milk and water in the ratio 3:1. How much water is added to make it 3:2?

- (a) 12 litres
- (b) 10 litres
- (c) 5 litres
- (d) 8 litres

71. The area of a triangle with base 12 cm and height 9 cm is:

- (a) 54 sq cm
- (b) 108 sq cm
- (c) 48 sq cm
- (d) 60 sq cm

72. If 12 workers can build a wall in 15 days, how many days will 20 workers take?

- (a) 10 days
- (b) 8 days
- (c) 9 days
- (d) 12 days

73. A sum of Rs. 6250 amounts to Rs. 7290 in 2 years at compound interest. The annual rate is:

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

74. The value of $0.5 + 0.05 + 0.005$ is:

- (a) 0.55
- (b) 5.55
- (c) 0.5555
- (d) 0.555

75. A train running at 60 km/h crosses a platform 240 m long in 30 seconds. The length of the train is:

- (a) 280 m
- (b) 300 m
- (c) 240 m
- (d) 260 m

76. Find the next term: 5, 11, 23, 47, ?

- (a) 96
- (b) 95
- (c) 93
- (d) 94

77. If 'RED' is coded as 'SFE', then 'BLUE' is coded as:

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|----------|----------|
| (a) CMWF | (b) CMVF |
| (c) DMVF | (d) CNVF |

78. Pointing to a man, a woman said, 'His mother is the only daughter of my mother.' How is the woman related to the man?

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|------------|-----------------|
| (a) Aunt | (b) Mother |
| (c) Sister | (d) Grandmother |

79. Choose the odd one out.

- | | |
|-------------|--------------|
| (a) Cricket | (b) Chess |
| (c) Hockey | (d) Football |

80. A man starts from a point, walks 4 km east, 3 km south, 4 km west. How far is he from the start?

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|----------|----------|
| (a) 5 km | (b) 3 km |
| (c) 7 km | (d) 4 km |

81. Complete the analogy: Book : Author :: Painting : ?

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|------------|------------|
| (a) Artist | (b) Brush |
| (c) Colour | (d) Canvas |

82. Statements: Some cats are dogs. All dogs are animals. Conclusion: Some cats are animals. This is:

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

83. Find the missing number: 2, 6, 12, 20, 30, ?

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|--------|--------|
| (a) 40 | (b) 36 |
| (c) 42 | (d) 44 |

84. If 'PAPER' is written as 'OZODQ', how is 'PENCIL' written?

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|------------|------------|
| (a) OENBHK | (b) ODNBHK |
| (c) ODMBHK | (d) ODMHBK |

85. Choose the odd one out.

- | | |
|-------------|--------------|
| (a) March | (b) November |
| (c) January | (d) July |

86. A person walks 6 km north, then 8 km east. The shortest distance to the start is:

- | | |
|-----------|-----------|
| (a) 12 km | (b) 10 km |
| (c) 14 km | (d) 8 km |

87. Complete the series: A, C, F, J, ?

- | | |
|-------|-------|
| (a) N | (b) O |
| (c) M | (d) P |

88. In a queue, a person is 15th from the front and 20th from the back. How many people are in the queue?

- (a) 34
- (b) 35
- (c) 33
- (d) 36

89. Choose the pair analogous to 'Author : Novel'.

- (a) Actor : Stage
- (b) Singer : Audience
- (c) Composer : Symphony
- (d) Reader : Library

90. If 'x' means '+', '+' means '-', '-' means 'x', find: $6 \times 4 + 2 - 3$.

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

91. Find the odd number: 8, 27, 64, 100, 125.

- (a) 64
- (b) 27
- (c) 100
- (d) 125

92. At what time between 4 and 5 o'clock will the hands of a clock coincide?

- (a) 20 min past 4
- (b) 21 min past 4
- (c) 21 9/11 min past 4
- (d) 22 min past 4

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

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

94. Complete the series: 1, 8, 27, 64, ?

- (a) 100
- (b) 121
- (c) 144
- (d) 125

95. Five persons P, Q, R, S, T are sitting in a row. Q is to the left of R and to the right of P. T is to the right of R. S is to the right of T. Who is in the middle?

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

96. A cube painted on all faces is cut into 64 smaller cubes. How many have no face painted?

- (a) 8
- (b) 24
- (c) 27
- (d) 16

97. The number of triangles in a figure formed by a square with both diagonals drawn is:

- (a) 8
- (b) 6
- (c) 10
- (d) 4

98. Find the next term: C4, F9, I16, L25, ?

- (a) O35
- (b) N36
- (c) P36
- (d) O36

99. If a mirror is placed on the line MN, which of these words shows a valid vertical symmetry: HITHERTO letters. The letter with a vertical line of symmetry is:

- | | |
|-------|-------|
| (a) A | (b) G |
| (c) F | (d) P |

100. In a code, 'sky is blue' is 'ma na pa' and 'blue bird' is 'pa ta'. What is the code for 'blue'?

- | | |
|--------|--------|
| (a) ta | (b) ma |
| (c) pa | (d) na |

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