

AFCAT 1 2024

AFCAT 1 2024 Memory Based Question Paper PDF (Feb 18, 2024)

1. Choose the word most similar in meaning to 'RESILIENT'.
(a) Adaptable (b) Rigid
(c) Fragile (d) Weak
2. Choose the word most opposite in meaning to 'VERBOSE'.
(a) Wordy (b) Lengthy
(c) Detailed (d) Concise
3. Fill in the blank: The teacher was pleased _____ the student's progress.
(a) on (b) at
(c) for (d) with
4. Identify the part with the error: 'Each of the students (A)/ were given (B)/ a separate room (C)/ for the test (D).'
- (a) B (b) A
(c) C (d) D
5. Choose the meaning of the idiom 'to turn a blind eye'.
(a) To be angry (b) To look carefully
(c) To become blind (d) To deliberately ignore
6. Select the correctly spelt word.
(a) Perseverence (b) Perserverance
(c) Perseverance (d) Perseverense
7. One word substitution: 'A person who cannot read or write.'
(a) Illiterate (b) Illegible
(c) Illicit (d) Ignorant
8. Fill in the blank: He would rather starve _____ beg.
(a) or (b) than
(c) to (d) then
9. Choose the synonym of 'FRUGAL'.
(a) Economical (b) Wasteful
(c) Generous (d) Lavish
10. Choose the antonym of 'TRANQUIL'.
(a) Turbulent (b) Serene
(c) Peaceful (d) Calm

- 11.** Fill in the blank: No sooner did the bell ring _____ the students rushed out.
- (a) that (b) then
(c) than (d) when
- 12.** Choose the meaning of 'to cut corners'.
- (a) To do something the cheapest or easiest way (b) To act carefully
(c) To take a shortcut on a road (d) To trim edges
- 13.** One word substitution: 'The murder of a king.'
- (a) Genocide (b) Fratricide
(c) Regicide (d) Homicide
- 14.** Identify the sentence with correct tense.
- (a) I have saw him yesterday. (b) I had saw him yesterday.
(c) I have seen him yesterday. (d) I saw him yesterday.
- 15.** Choose the synonym of 'AMBIGUOUS'.
- (a) Definite (b) Precise
(c) Unclear (d) Clear
- 16.** Fill in the blank: She is fond _____ classical music.
- (a) of (b) with
(c) for (d) at
- 17.** Choose the antonym of 'EXPAND'.
- (a) Contract (b) Stretch
(c) Enlarge (d) Grow
- 18.** One word substitution: 'A person appointed to settle a dispute.'
- (a) Assessor (b) Attorney
(c) Arbitrator (d) Advocate
- 19.** Choose the correctly spelt word.
- (a) Necessary (b) Necesary
(c) Neccesary (d) Neccessary
- 20.** Fill in the blank: The child was afraid _____ the dark.
- (a) of (b) with
(c) for (d) from
- 21.** Choose the meaning of 'once in a blue moon'.
- (a) Very frequently (b) At night
(c) Never (d) Very rarely

22. Choose the synonym of 'CONSPICUOUS'.

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|----------------|--------------|
| (a) Vague | (b) Hidden |
| (c) Noticeable | (d) Ordinary |

23. Identify the sentence in reported speech.

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|----------------------------|--------------------------------|
| (a) 'I am tired,' he said. | (b) He said that he was tired. |
| (c) He said, 'I am tired.' | (d) He is tired. |

24. One word substitution: 'One who studies the stars and planets.'

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|---------------|----------------|
| (a) Geologist | (b) Astronomer |
| (c) Astronaut | (d) Astrologer |

25. Choose the antonym of 'COMPULSORY'.

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|---------------|--------------|
| (a) Essential | (b) Required |
| (c) Mandatory | (d) Optional |

26. Fill in the blank: He is confident ____ his success.

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

27. Choose the correctly spelt word.

- | | |
|------------|-------------|
| (a) Rythem | (b) Rhythm |
| (c) Rythm | (d) Rhythem |

28. Choose the synonym of 'BENIGN'.

- | | |
|------------|-------------|
| (a) Kindly | (b) Harmful |
| (c) Severe | (d) Cruel |

29. One word substitution: 'A hater of women.'

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|-----------------|-----------------|
| (a) Feminist | (b) Philanderer |
| (c) Misanthrope | (d) Misogynist |

30. Fill in the blank: The plane took off ____ schedule.

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|--------|--------|
| (a) in | (b) by |
| (c) on | (d) at |

31. The 'Non-Cooperation Movement' was launched by Gandhi in:

- | | |
|----------|----------|
| (a) 1942 | (b) 1920 |
| (c) 1930 | (d) 1919 |

32. Which schedule of the Constitution deals with anti-defection?

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|--------------|------------|
| (a) Ninth | (b) Tenth |
| (c) Eleventh | (d) Eighth |

33. The 'Deccan Plateau' is bounded by which two mountain ranges on the sides?

- (a) Himalayas and Aravalli
- (b) Vindhya and Satpura
- (c) Western and Eastern Ghats
- (d) Nilgiri and Cardamom

34. Who is called the 'Iron Man of India'?

- (a) Jawaharlal Nehru
- (b) Sardar Vallabhbhai Patel
- (c) Bhagat Singh
- (d) Subhash Chandra Bose

35. The headquarters of UNESCO is located in:

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

36. Which metal is liquid at room temperature?

- (a) Lead
- (b) Sodium
- (c) Zinc
- (d) Mercury

37. The 'First War of Indian Independence' took place in:

- (a) 1905
- (b) 1885
- (c) 1857
- (d) 1757

38. 'My Experiments with Truth' is the autobiography of:

- (a) Rajendra Prasad
- (b) Mahatma Gandhi
- (c) B. R. Ambedkar
- (d) Jawaharlal Nehru

39. The peacetime equivalent of the Vir Chakra is:

- (a) Ashoka Chakra
- (b) Sena Medal
- (c) Kirti Chakra
- (d) Shaurya Chakra

40. The maximum strength of the Lok Sabha as provided in the Constitution is:

- (a) 560
- (b) 550
- (c) 552
- (d) 545

41. Deficiency of iodine causes which disease?

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

42. The 'Home Rule Movement' was started by:

- (a) Gokhale and Tilak
- (b) Bose and Patel
- (c) Tilak and Annie Besant
- (d) Gandhi and Nehru

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

- (a) Mercury
- (b) Jupiter
- (c) Venus
- (d) Mars

44. 'IRDAI' regulates which sector?

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|-------------|------------------|
| (a) Banking | (b) Stock market |
| (c) Pension | (d) Insurance |

45. The 'Kakori Train Robbery' occurred in the year:

- | | |
|----------|----------|
| (a) 1930 | (b) 1922 |
| (c) 1925 | (d) 1928 |

46. Which is the longest river in India?

- | | |
|-----------------|--------------|
| (a) Brahmaputra | (b) Godavari |
| (c) Ganga | (d) Yamuna |

47. The SI unit of force is:

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

48. ISRO's spaceport is located at:

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|-----------------|---------------|
| (a) Hyderabad | (b) Bengaluru |
| (c) Sriharikota | (d) Thumba |

49. Which ruler is associated with the 'Din-i-Ilahi'?

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|----------------|---------------|
| (a) Akbar | (b) Aurangzeb |
| (c) Shah Jahan | (d) Babur |

50. The 'Gaganyaan' mission of India is related to:

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|-----------------------|------------------|
| (a) Lunar landing | (b) Solar study |
| (c) Human spaceflight | (d) Mars mission |

51. Baking soda is chemically known as:

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|-----------------------|------------------------|
| (a) Calcium carbonate | (b) Sodium bicarbonate |
| (c) Sodium chloride | (d) Sodium hydroxide |

52. The 'Fundamental Rights' in the Constitution are contained in which Part?

- | | |
|--------------|-------------|
| (a) Part III | (b) Part II |
| (c) Part IV | (d) Part V |

53. The Sukhoi Su-30MKI in the IAF is a category of:

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|------------------------|------------------------|
| (a) Transport aircraft | (b) Multi-role fighter |
| (c) Helicopter | (d) Trainer aircraft |

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

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|--------------------|---------------|
| (a) Andhra Pradesh | (b) Kerala |
| (c) Tamil Nadu | (d) Karnataka |

55. The 2023 Cricket World Cup (ODI) was hosted by:

- | | |
|---------------|------------------|
| (a) India | (b) England |
| (c) Australia | (d) South Africa |

56. A sum of money at simple interest amounts to Rs. 1200 in 2 years and Rs. 1400 in 4 years. The principal is:

- | | |
|--------------|--------------|
| (a) Rs. 1100 | (b) Rs. 900 |
| (c) Rs. 800 | (d) Rs. 1000 |

57. If 40% of a number exceeds 25% of it by 30, the number is:

- | | |
|---------|---------|
| (a) 180 | (b) 150 |
| (c) 200 | (d) 250 |

58. The average of 6 numbers is 20. If one number is removed, the average becomes 15. The removed number is:

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|--------|--------|
| (a) 40 | (b) 50 |
| (c) 55 | (d) 45 |

59. A train 200 m long passes a bridge 300 m long in 25 seconds. Its speed is:

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|-------------|-------------|
| (a) 48 km/h | (b) 60 km/h |
| (c) 54 km/h | (d) 72 km/h |

60. A trader allows a discount of 10% and still makes a profit of 20%. If the cost price is Rs. 100, the marked price is:

- | | |
|-------------|----------------|
| (a) Rs. 130 | (b) Rs. 133.33 |
| (c) Rs. 150 | (d) Rs. 140 |

61. If $a:b = 4:5$ and $b:c = 3:4$, then $a:b:c$ is:

- | | |
|--------------|-----------|
| (a) 12:15:20 | (b) 4:3:4 |
| (c) 12:15:16 | (d) 4:5:4 |

62. A can complete a work in 24 days, B in 32 days. They work together for 8 days, then A leaves. B completes the rest in:

- | | |
|-------------|----------------|
| (a) 16 days | (b) 14 days |
| (c) 12 days | (d) 13.33 days |

63. The compound interest on Rs. 12000 at 5% for 2 years is:

- | | |
|--------------|--------------|
| (a) Rs. 1200 | (b) Rs. 1300 |
| (c) Rs. 1250 | (d) Rs. 1230 |

64. The diagonal of a square is $10\sqrt{2}$ cm. Its area is:

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|---------------|---------------|
| (a) 50 sq cm | (b) 200 sq cm |
| (c) 100 sq cm | (d) 150 sq cm |

- 65.** By selling an article at Rs. 900, a man loses 10%. To gain 10%, he should sell it at:
(a) Rs. 1100 (b) Rs. 1150
(c) Rs. 1050 (d) Rs. 1000
- 66.** A boat's speed in still water is 15 km/h and the stream is 3 km/h. Time to go 36 km downstream is:
(a) 3 h (b) 2 h
(c) 2.5 h (d) 1.5 h
- 67.** The LCM and HCF of two numbers are 180 and 6. If one number is 30, the other is:
(a) 40 (b) 36
(c) 24 (d) 30
- 68.** If $x - \frac{1}{x} = 3$, then $x^2 + \frac{1}{x^2}$ equals:
(a) 11 (b) 9
(c) 13 (d) 7
- 69.** The simple interest on Rs. 7200 at 5% for 3 years is:
(a) Rs. 1200 (b) Rs. 1080
(c) Rs. 1000 (d) Rs. 1100
- 70.** In what ratio must water be mixed with milk to gain 20% by selling the mixture at cost price?
(a) 1:3 (b) 1:6
(c) 1:5 (d) 1:4
- 71.** The circumference of a circle is 44 cm. Its area ($\pi = \frac{22}{7}$) is:
(a) 176 sq cm (b) 160 sq cm
(c) 154 sq cm (d) 144 sq cm
- 72.** If 15 men complete a job in 20 days, in how many days will 25 men complete it?
(a) 12 (b) 14
(c) 16 (d) 10
- 73.** A sum doubles in 4 years at compound interest. In how many years will it become 8 times?
(a) 12 (b) 16
(c) 8 (d) 6
- 74.** The value of $2.5 \times 2.5 - 1.5 \times 1.5$ is:
(a) 6 (b) 3
(c) 4 (d) 5
- 75.** A train crosses a man standing on a platform in 6 seconds and the platform (150 m) in 21 seconds. The length of the train is:
(a) 80 m (b) 60 m
(c) 50 m (d) 70 m

76. Find the next term: 4, 9, 19, 39, ?

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|--------|--------|
| (a) 79 | (b) 80 |
| (c) 78 | (d) 69 |

77. If 'CAT' = 24, 'DOG' = 26, then 'RAT' = ?

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|--------|--------|
| (a) 38 | (b) 39 |
| (c) 40 | (d) 37 |

78. Pointing to a boy, Rita said, 'He is the son of my grandfather's only child.' How is the boy related to Rita?

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|-------------|------------|
| (a) Cousin | (b) Father |
| (c) Brother | (d) Uncle |

79. Choose the odd one out.

- | | |
|--------------|-----------|
| (a) Mango | (b) Rose |
| (c) Marigold | (d) Lotus |

80. A man goes 10 km east, then 10 km north, then 10 km west. How far is he from the starting point?

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|-----------|-----------|
| (a) 0 km | (b) 10 km |
| (c) 20 km | (d) 30 km |

81. Complete the analogy: Ornithologist : Birds :: Entomologist : ?

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|-------------|--------------|
| (a) Insects | (b) Reptiles |
| (c) Plants | (d) Fish |

82. Statements: All roses are flowers. Some flowers fade quickly. Conclusion: Some roses fade quickly. This is:

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

83. Find the missing number: 1, 3, 7, 15, 31, ?

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|--------|--------|
| (a) 63 | (b) 61 |
| (c) 47 | (d) 62 |

84. If 'FLOWER' is coded as 'EKNVDQ', how is 'GARDEN' coded?

- | | |
|------------|------------|
| (a) FZQCDN | (b) FYQCDM |
| (c) FZQDCM | (d) FZQCDM |

85. Choose the odd one out.

- | | |
|--------|--------|
| (a) 48 | (b) 36 |
| (c) 16 | (d) 25 |

86. Starting from home, a man walks 3 km south, turns left and walks 4 km. How far is he from home?

- | | |
|----------|----------|
| (a) 4 km | (b) 6 km |
| (c) 7 km | (d) 5 km |

87. Complete the series: B, D, G, K, ?

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

88. In a class of 45, a student ranks 20th from the top. His rank from the bottom is:

- | | |
|----------|----------|
| (a) 27th | (b) 25th |
| (c) 24th | (d) 26th |

89. Choose the pair analogous to 'Needle : Thread'.

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|----------------|-------------------|
| (a) Lock : Key | (b) Hammer : Nail |
| (c) Pen : Ink | (d) Knife : Cut |

90. If '-' means 'x', 'x' means '+', '+' means '/', find: $20 - 4 \times 6 + 2$.

- | | |
|--------|--------|
| (a) 83 | (b) 23 |
| (c) 86 | (d) 80 |

91. Find the odd one: 121, 144, 169, 180, 196.

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|---------|---------|
| (a) 180 | (b) 144 |
| (c) 196 | (d) 169 |

92. At what angle are the hands of a clock at 6:00?

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

93. If in a code, North is called South, South is called East, East is called West, then the sun rises in the:

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

94. Complete the series: 2, 5, 10, 17, 26, ?

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|--------|--------|
| (a) 38 | (b) 35 |
| (c) 36 | (d) 37 |

95. Seven people A-G sit in a row. D is at the centre. A is at an end. B is next to A. Which position from the left could G occupy if C is 6th from left?

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|---------|---------|
| (a) 3rd | (b) 7th |
| (c) 2nd | (d) 5th |

96. A cube is painted blue on all faces and cut into 125 equal cubes. How many have exactly one face painted?

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|--------|--------|
| (a) 36 | (b) 54 |
| (c) 48 | (d) 27 |

97. How many squares are there on a standard 3x3 grid (counting all sizes)?

- (a) 9
- (b) 12
- (c) 14
- (d) 13

98. Find the next term: A1, C3, E5, G7, ?

- (a) H8
- (b) I9
- (c) H9
- (d) I8

99. Which letter, when its mirror image is taken along a vertical axis, remains unchanged?

- (a) M
- (b) R
- (c) B
- (d) S

100. In a code, 'water flows down' is 'ka pa la' and 'flows fast' is 'la ma'. What is the code for 'flows'?

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

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