

AFCAT 1 2023

AFCAT 1 2023 Practice Paper 01

1. Choose the word most similar in meaning to 'CONGENIAL'.
(a) Hostile (b) Unpleasant
(c) Friendly (d) Rude
2. Choose the word most opposite in meaning to 'LETHARGY'.
(a) Energy (b) Idleness
(c) Laziness (d) Fatigue
3. Fill in the blank: He is not amenable _____ any advice.
(a) of (b) for
(c) with (d) to
4. The idiom 'to keep the wolf from the door' means:
(a) To avoid starvation or poverty (b) To lock the house
(c) To fight bravely (d) To keep pets away
5. One word substitution: a person who speaks many languages.
(a) Linguist (b) Bilingual
(c) Orator (d) Polyglot
6. Choose the correctly spelt word.
(a) Rythem (b) Rhythm
(c) Rythm (d) Rhythem
7. Spot the error: 'The list of items (A)/ were sent (B)/ to the manager (C)/ No error (D).'
- (a) C (b) B
(c) A (d) D
8. Choose the word most similar in meaning to 'AFFLUENT'.
(a) Poor (b) Needy
(c) Destitute (d) Wealthy
9. Choose the word most opposite in meaning to 'HAUGHTY'.
(a) Humble (b) Arrogant
(c) Snobbish (d) Proud
10. Fill in the blank: The plane is due _____ take off at noon.
(a) for (b) at
(c) to (d) on

11. One word substitution: a place for the treatment of sick animals.

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|-------------------------|---------------|
| (a) Sanatorium | (b) Nursery |
| (c) Veterinary hospital | (d) Infirmary |

12. The idiom 'to throw down the gauntlet' means:

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| (a) To fight dirty | (b) To issue a challenge |
| (c) To surrender | (d) To drop something |

13. Improve the underlined part: 'If I was you, I would accept the offer.'

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| (a) If I be you | (b) If I am you |
| (c) If I was you | (d) If I were you |

14. Choose the word most opposite in meaning to 'GENEROUS'.

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|----------------|-------------|
| (a) Charitable | (b) Liberal |
| (c) Kind | (d) Miserly |

15. Choose the word most similar in meaning to 'DILIGENT'.

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| (a) Lazy | (b) Industrious |
| (c) Idle | (d) Careless |

16. Fill in the blank: She was accompanied _____ her father to the ceremony.

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| (a) to | (b) with |
| (c) along | (d) by |

17. One word substitution: that which cannot be avoided.

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| (a) Incredible | (b) Invincible |
| (c) Invisible | (d) Inevitable |

18. The idiom 'to make a mountain out of a molehill' means:

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| (a) To dig soil | (b) To climb a hill |
| (c) To solve a big issue | (d) To exaggerate a trivial problem |

19. Choose the correctly spelt word.

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| (a) Acquaintence | (b) Acquaintance |
| (c) Aquaintance | (d) Aquaintence |

20. Choose the word most opposite in meaning to 'ABUNDANCE'.

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|--------------|------------|
| (a) Surplus | (b) Excess |
| (c) Scarcity | (d) Plenty |

21. Choose the word most similar in meaning to 'CANDID'.

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|---------------|---------------|
| (a) Frank | (b) Deceptive |
| (c) Secretive | (d) Cunning |

- 22.** Fill in the blank: He has an aptitude ____ solving puzzles.
(a) of (b) for
(c) in (d) at
- 23.** One word substitution: a government by a king or queen.
(a) Monarchy (b) Anarchy
(c) Democracy (d) Oligarchy
- 24.** Spot the error: 'Neither of the boys (A)/ have completed (B)/ the assignment (C)/ No error (D).'
- (a) A (b) B
(c) D (d) C
- 25.** Choose the word most similar in meaning to 'BRITTLE'.
(a) Tough (b) Flexible
(c) Fragile (d) Elastic
- 26.** Choose the word most opposite in meaning to 'VICTORY'.
(a) Success (b) Triumph
(c) Defeat (d) Win
- 27.** The idiom 'to be on cloud nine' means:
(a) To be in the sky (b) To be confused
(c) To be lost (d) To be extremely happy
- 28.** Fill in the blank: He is senior ____ me by three years.
(a) to (b) than
(c) over (d) from
- 29.** One word substitution: a life history written by oneself.
(a) Biography (b) Diary
(c) Autobiography (d) Memoir
- 30.** Choose the word most similar in meaning to 'PROVOKE'.
(a) Pacify (b) Soothe
(c) Instigate (d) Calm
- 31.** The 'One Rank One Pension' (OROP) scheme is associated with which sector?
(a) Defence pensions (b) Railways
(c) Education (d) Agriculture
- 32.** The G20 Summit 2023 was hosted by which country?
(a) Italy (b) Indonesia
(c) India (d) Brazil

- 33.** Chandrayaan-3 landed successfully on the Moon near the:
- (a) Equator (b) Far side
(c) North Pole (d) South Pole
- 34.** The 'Vikram' lander of Chandrayaan-3 carried a rover named:
- (a) Bhaskara (b) Pragyan
(c) Aryabhata (d) Rohini
- 35.** Which acid is present in the human stomach?
- (a) Hydrochloric acid (b) Sulphuric acid
(c) Nitric acid (d) Acetic acid
- 36.** The Battle of Plassey was fought in which year?
- (a) 1761 (b) 1739
(c) 1764 (d) 1757
- 37.** Which Article of the Indian Constitution deals with the abolition of untouchability?
- (a) Article 15 (b) Article 18
(c) Article 17 (d) Article 21
- 38.** Which gas is predominantly responsible for the greenhouse effect?
- (a) Hydrogen (b) Oxygen
(c) Carbon dioxide (d) Nitrogen
- 39.** The headquarters of the International Atomic Energy Agency (IAEA) is located in:
- (a) Geneva (b) Vienna
(c) New York (d) Paris
- 40.** 'Wings of Fire' is the autobiography of:
- (a) Satish Dhawan (b) A.P.J. Abdul Kalam
(c) Homi Bhabha (d) Vikram Sarabhai
- 41.** The Chief Election Commissioner of India is appointed by the:
- (a) Parliament (b) Chief Justice
(c) Prime Minister (d) President
- 42.** Which vitamin is synthesised in the human body with the help of sunlight?
- (a) Vitamin C (b) Vitamin K
(c) Vitamin D (d) Vitamin A
- 43.** Which planet is known as the 'Morning Star'?
- (a) Venus (b) Mercury
(c) Mars (d) Jupiter

- 44.** The Reserve Bank of India was established in which year?
- (a) 1950 (b) 1949
(c) 1947 (d) 1935
- 45.** Which river is known as the 'Sorrow of Bihar'?
- (a) Kosi (b) Gandak
(c) Ganga (d) Son
- 46.** The SI unit of electrical resistance is the:
- (a) Ampere (b) Ohm
(c) Watt (d) Volt
- 47.** Which Mughal emperor built the Buland Darwaza?
- (a) Jahangir (b) Akbar
(c) Shah Jahan (d) Babur
- 48.** The 'Fundamental Duties' were added to the Constitution by which Amendment?
- (a) 73rd (b) 44th
(c) 24th (d) 42nd
- 49.** The IAF fighter aircraft 'Tejas' is a product of which category?
- (a) Rafale (b) HAL LCA
(c) MiG (d) Sukhoi
- 50.** Which state has the longest coastline in India?
- (a) Andhra Pradesh (b) Gujarat
(c) Tamil Nadu (d) Kerala
- 51.** The 'Simon Commission' visited India in the year:
- (a) 1935 (b) 1919
(c) 1928 (d) 1930
- 52.** The Tropic of Cancer does NOT pass through which of these Indian states?
- (a) Rajasthan (b) Gujarat
(c) Odisha (d) Tripura
- 53.** The 'Panchsheel' agreement was signed between India and which country?
- (a) Pakistan (b) Nepal
(c) China (d) Bhutan
- 54.** Who was the first Indian to win a Nobel Prize?
- (a) C.V. Raman (b) Rabindranath Tagore
(c) Mother Teresa (d) Amartya Sen

- 55.** The highest gallantry award of India is the:
- (a) Vir Chakra (b) Param Vir Chakra
(c) Maha Vir Chakra (d) Ashoka Chakra
- 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) 135 (b) 150
(c) 120 (d) 90
- 58.** The average of five consecutive odd numbers is 27. What is the largest number?
- (a) 35 (b) 29
(c) 33 (d) 31
- 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) 10%
(c) 5% (d) 12%
- 61.** The ratio of two numbers is 3:5 and their sum is 64. The larger number is:
- (a) 36 (b) 24
(c) 32 (d) 40
- 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.** The compound interest on Rs 8,000 at 10% per annum for 2 years is:
- (a) Rs 1,760 (b) Rs 1,600
(c) Rs 1,720 (d) Rs 1,680
- 64.** The area of a circle is 154 sq cm. Its radius (using $\pi = \frac{22}{7}$) is:
- (a) 3.5 cm (b) 14 cm
(c) 7 cm (d) 10.5 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) 15% (d) 20%

66. A man rows 30 km downstream in 3 hours and 18 km upstream in 3 hours. The speed of the stream is:

- | | |
|------------|------------|
| (a) 4 km/h | (b) 2 km/h |
| (c) 3 km/h | (d) 1 km/h |

67. The LCM of 12, 15 and 20 is:

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|---------|---------|
| (a) 30 | (b) 60 |
| (c) 120 | (d) 180 |

68. If $a:b = 2:3$ and $b:c = 4:5$, then $a:c$ is:

- | | |
|----------|---------|
| (a) 8:5 | (b) 3:5 |
| (c) 8:15 | (d) 2:5 |

69. The simple interest on Rs 5,000 at 8% for 3 years is:

- | | |
|--------------|--------------|
| (a) Rs 1,300 | (b) Rs 1,400 |
| (c) Rs 1,000 | (d) Rs 1,200 |

70. 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?

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|---------------|---------------|
| (a) 10 litres | (b) 8 litres |
| (c) 12 litres | (d) 15 litres |

71. The perimeter of a square is 48 cm. Its area is:

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|---------------|---------------|
| (a) 121 sq cm | (b) 196 sq cm |
| (c) 169 sq cm | (d) 144 sq cm |

72. A sum becomes Rs 2,420 in 2 years at 10% compound interest. The principal is:

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|--------------|--------------|
| (a) Rs 2,100 | (b) Rs 2,300 |
| (c) Rs 2,000 | (d) Rs 2,200 |

73. A number when divided by 5 leaves remainder 3. What is the remainder when its square is divided by 5?

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| (a) 4 | (b) 1 |
| (c) 0 | (d) 3 |

74. Find the next term: 3, 6, 11, 18, 27, ?

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| (a) 36 | (b) 38 |
| (c) 42 | (d) 40 |

75. If 'MOUSE' is coded as 'PRXVH' (each letter +3), how is 'CAT' coded?

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

76. 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) Cousin
- (b) Sister
- (c) Niece
- (d) Daughter

77. Choose the odd one out.

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

78. 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) North-east
- (d) South-west

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

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

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

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

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

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

82. If in a certain code 'TEACHER' is written as 'VGCEJGT' (each letter +2), how is 'CHILD' written?

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

83. Choose the odd one out.

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

84. 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) 8 km
- (b) 13 km
- (c) 3 km
- (d) 5 km

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

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

- 86.** In a row of 40 students, Ravi is 12th from the left. What is his position from the right?
- (a) 29th (b) 28th
(c) 27th (d) 30th
- 87.** Choose the pair that is analogous to 'Hammer : Carpenter'.
- (a) Book : Reader (b) Pen : Paper
(c) Scalpel : Surgeon (d) Car : Driver
- 88.** If '+' means '/', '-' means 'x', 'x' means '+' and '/' means '-', find: $16 + 4 - 2 \times 8 / 4$.
- (a) 8 (b) 16
(c) 10 (d) 12
- 89.** Find the odd one out: 3, 5, 7, 12, 17, 19.
- (a) 7 (b) 17
(c) 5 (d) 12
- 90.** A clock shows 3:15. What is the angle between the hour and minute hands?
- (a) 0 degrees (b) 15 degrees
(c) 7.5 degrees (d) 30 degrees
- 91.** If South-East becomes North and North-East becomes West, then what does West become?
- (a) South-West (b) North-East
(c) North-West (d) South-East
- 92.** Complete the series: 1, 4, 9, 16, 25, ?
- (a) 49 (b) 40
(c) 36 (d) 30
- 93.** 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) E (b) D
(c) F (d) C
- 94.** Find the next term: B2, D4, F6, H8, ?
- (a) I10 (b) K10
(c) J10 (d) J12
- 95.** 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?
- (a) 6 (b) 4
(c) 12 (d) 8

96. 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) pa | (b) ka |
| (c) ta | (d) la |

97. Find the next term: 2, 5, 11, 23, 47, ?

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

98. A is B's father, B is C's brother, and D is C's mother. How is A related to D?

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

99. Complete the analogy: Ornithologist : Birds :: Botanist : ?

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

100. Find the odd one out: 2, 3, 5, 7, 9, 11.

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|-------|--------|
| (a) 5 | (b) 7 |
| (c) 9 | (d) 11 |