

CAT

Sample Question Paper - 2024

Country: IN | Duration: 2 hours | Max Marks: 228 | Language: English

Negative Marking: Yes (-1) | Total Questions: 66 | QuizVerse AI Tutor

General Instructions:

1. This paper contains 66 questions across 3 section(s): Quantitative Aptitude, Verbal Ability & Reading Comprehension, D
2. Duration: 2 hours. Maximum marks: 228.
3. Negative marking: Yes (-1).
4. Read each question carefully before answering.

Section 1: Quantitative Aptitude (22 Questions)

Q1. The compound interest on Rs. 46000 at 5% for 4 years is:

- (A) Rs. 3656
- (B) Rs. 3624
- (C) Rs. 21100
- (D) Rs. 9864

Q2. A train 119 m long crosses a pole in 23 s. Its speed is:

- (A) 59.4 km/h
- (B) 34.5 km/h
- (C) 29.0 km/h
- (D) 36.7 km/h

Q3. The compound interest on Rs. 32000 at 9% for 3 years is:

- (A) Rs. 28741
- (B) Rs. 15937
- (C) Rs. 18416
- (D) Rs. 29882

Q4. If $\log_2(8) = x$, then $x =$

- (A) 6
- (B) 6
- (C) 4
- (D) 5

Q5. A and B can do a work in 19 and 17 days. Together they finish in:

- (A) 8.5 days
- (B) 5.2 days
- (C) 11.6 days
- (D) 6.5 days

Q6. The average of 16 numbers is 45. If one number 34 is removed, the new average is:

- (A) 69.9
- (B) 57.7
- (C) 33.5
- (D) 37.8

Q7. If the ratio of A's income to B's income is 7:5, and A earns Rs. 20000, B earns:

- (A) Rs. 59000
- (B) Rs. 43000
- (C) Rs. 37000
- (D) Rs. 17000

Q8. If the ratio of A's income to B's income is 3:4, and A earns Rs. 76000, B earns:

- (A) Rs. 45000
- (B) Rs. 33000
- (C) Rs. 39000
- (D) Rs. 40000

Q9. If $\log_2(64) = x$, then $x =$

- (A) 6
- (B) 5
- (C) 5
- (D) 3

Q10. A boat goes 30 km upstream and 22 km downstream in 7 hours. The speed of current is:

- (A) 3 km/h
- (B) 1 km/h
- (C) 2 km/h
- (D) 5 km/h

Q11. The compound interest on Rs. 20000 at 11% for 3 years is:

- (A) Rs. 20339
- (B) Rs. 11517
- (C) Rs. 17938
- (D) Rs. 4435

Q12. If the ratio of A's income to B's income is 4:3, and A earns Rs. 63000, B earns:

- (A) Rs. 39000
- (B) Rs. 22000
- (C) Rs. 16000
- (D) Rs. 20000

Q13. A and B can do a work in 14 and 20 days. Together they finish in:

- (A) 6.4 days
- (B) 6.2 days
- (C) 6.3 days
- (D) 10.8 days

Q14. In how many ways can 4 people sit around a circular table?

- (A) 4407
- (B) 3210
- (C) 2256
- (D) 1258

Q15. The average of 7 numbers is 37. If one number 28 is removed, the new average is:

- (A) 62.3
- (B) 52.0
- (C) 22.4
- (D) 69.1

Q16. A mixture has milk and water in ratio 5:1. Water added to make ratio 1:1 is:

- (A) 14 litres
- (B) 14 litres
- (C) 11 litres
- (D) 8 litres

Q17. In how many ways can 3 people sit around a circular table?

- (A) 2912
- (B) 1714
- (C) 2439
- (D) 3204

Q18. The probability of selecting 4 red balls from a bag of 6 red and 4 blue is:

- (A) $10/63$
- (B) $5/35$
- (C) $17/58$
- (D) $14/22$

Q19. A mixture has milk and water in ratio 3:2. Water added to make ratio 1:1 is:

- (A) 20 litres
- (B) 7 litres
- (C) 4 litres
- (D) 3 litres

Q20. If the ratio of A's income to B's income is 7:3, and A earns Rs. 52000, B earns:

- (A) Rs. 34000
- (B) Rs. 48000
- (C) Rs. 10000
- (D) Rs. 57000

Q21. The probability of selecting 4 red balls from a bag of 5 red and 4 blue is:

- (A) $13/23$
- (B) $12/59$
- (C) $8/47$
- (D) $14/68$

Q22. A and B can do a work in 17 and 22 days. Together they finish in:

- (A) 6.9 days
- (B) 6.8 days
- (C) 5.1 days
- (D) 7.6 days

Section 2: Verbal Ability & Reading Comprehension (22 Questions)

Q23. The word 'ameliorate' most nearly means:

- (A) maintain
- (B) improve
- (C) worsen
- (D) ignore

Q24. In the passage, the author's tone can best be described as:

- (A) analytical
- (B) hostile
- (C) indifferent
- (D) sarcastic

Q25. The function of paragraph 3 is to:

- (A) Restate the thesis
- (B) Introduce the topic
- (C) Provide a counterargument
- (D) Conclude the essay

Q26. Which word best completes: 'The scientist's ____ approach led to groundbreaking discoveries.'

- (A) methodical
- (B) timid
- (C) haphazard
- (D) reckless

Q27. The word 'ephemeral' most nearly means:

- (A) mysterious
- (B) short-lived
- (C) permanent
- (D) powerful

Q28. Which rhetorical device does the author employ in line 15?

- (A) Hyperbole
- (B) Onomatopoeia
- (C) Alliteration
- (D) Analogy

Q29. The word 'pernicious' most nearly means:

- (A) neutral
- (B) temporary
- (C) harmful
- (D) beneficial

Q30. According to the passage, the primary cause was:

- (A) Economic factors
- (B) Social changes
- (C) Political decisions
- (D) Natural disasters

Q31. Which sentence best summarizes the main idea?

- (A) The last sentence
- (B) The first sentence
- (C) None of these
- (D) The topic sentence

Q32. Which choice provides the most relevant detail?

- (A) Option A: specific data
- (B) Option C: personal anecdote
- (C) Option D: rhetorical question
- (D) Option B: general statement

Q33. The word 'ameliorate' most nearly means:

- (A) worsen
- (B) ignore
- (C) maintain
- (D) improve

Q34. The passage's organizational pattern is best described as:

- (A) Chronological
- (B) Cause and effect
- (C) Compare and contrast
- (D) Spatial

Q35. Which evidence best supports the author's claim?

- (A) The conclusion
- (B) The title
- (C) Statistical data in paragraph 2
- (D) The anecdote in paragraph 1

Q36. The primary purpose of the passage is to:

- (A) argue a position
- (B) list facts
- (C) describe a scene
- (D) tell a story

Q37. Which best describes the relationship between the two passages?

- (A) Contradictory
- (B) Sequential
- (C) Unrelated
- (D) Complementary

Q38. Which revision would most improve sentence clarity?

- (A) Adding more adjectives
- (B) Using passive voice
- (C) Splitting into two sentences
- (D) Removing the subject

Q39. The word 'pragmatic' most nearly means:

- (A) idealistic
- (B) practical
- (C) emotional
- (D) theoretical

Q40. Which word best completes: 'The scientist's ____ approach led to groundbreaking discoveries.'

- (A) reckless
- (B) methodical
- (C) timid
- (D) haphazard

Q41. The word 'ubiquitous' most nearly means:

- (A) rare
- (B) expensive
- (C) invisible
- (D) widespread

Q42. The author's central claim is that:

- (A) Innovation requires risk
- (B) Change is impossible
- (C) Technology is harmful
- (D) Tradition is paramount

Q43. The word 'ephemeral' most nearly means:

- (A) short-lived
- (B) mysterious
- (C) permanent
- (D) powerful

Q44. Which choice most effectively combines the underlined sentences?

- (A) Using 'and'
- (B) Using 'but'
- (C) Using a dash
- (D) Using a semicolon

Section 3: Data Interpretation & Logical Reasoning (22 Questions)

Q45. Three friends A, B, C rank 1st, 2nd, 3rd. A is not 1st, B is not 2nd. Who is 1st?

- (A) B
- (B) Cannot determine
- (C) B or C
- (D) A

Q46. In a sequence 2, 6, 12, 20, 30, the next number is:

- (A) 44
- (B) 40
- (C) 36
- (D) 42

Q47. If Monday is day 1, what day is the 50th day?

- (A) Saturday
- (B) Friday
- (C) Sunday
- (D) Thursday

Q48. In a tournament with 16 teams (knockout), the total matches played are:

- (A) 14
- (B) 16
- (C) 15
- (D) 8

Q49. A bar chart shows: 2020=40, 2021=55, 2022=70, 2023=60. The year-on-year growth was highest in:

- (A) 2021
- (B) 2022
- (C) 2023
- (D) 2020

Q50. If Monday is day 1, what day is the 50th day?

- (A) Saturday
- (B) Friday
- (C) Sunday
- (D) Thursday

Q51. If all roses are flowers and some flowers are red, which must be true?

- (A) All red things are flowers
- (B) Some flowers may be roses
- (C) All roses are red
- (D) No roses are red

Q52. If all roses are flowers and some flowers are red, which must be true?

- (A) All red things are flowers
- (B) Some flowers may be roses
- (C) No roses are red
- (D) All roses are red

Q53. In a coding system, APPLE is coded as 50. What is MANGO coded as?

- (A) 48
- (B) 62
- (C) 57
- (D) 55

Q54. In a coding system, APPLE is coded as 50. What is MANGO coded as?

- (A) 48
- (B) 62
- (C) 57
- (D) 55

Q55. In a tournament with 16 teams (knockout), the total matches played are:

- (A) 14
- (B) 15
- (C) 8
- (D) 16

Q56. Five people sit in a row. A is left of B. C is right of D. E is between A and C. Who is at the rightmost?

- (A) B
- (B) C
- (C) D
- (D) E

Q57. In a sequence 2, 6, 12, 20, 30, the next number is:

- (A) 44
- (B) 36
- (C) 40
- (D) 42

Q58. Three friends A, B, C rank 1st, 2nd, 3rd. A is not 1st, B is not 2nd. Who is 1st?

- (A) B
- (B) A
- (C) B or C
- (D) Cannot determine

Q59. If A is north of B, B is east of C, then A is in which direction from C?

- (A) South-East
- (B) North-West
- (C) North-East
- (D) South-West

Q60. A pie chart shows Education = 72 degrees. The percentage for education is:

- (A) 20%
- (B) 30%
- (C) 15%
- (D) 25%

Q61. A pie chart shows Education = 72 degrees. The percentage for education is:

- (A) 30%
- (B) 25%
- (C) 20%
- (D) 15%

Q62. A pie chart shows Education = 72 degrees. The percentage for education is:

- (A) 20%
- (B) 15%
- (C) 30%
- (D) 25%

Q63. A pie chart shows Education = 72 degrees. The percentage for education is:

- (A) 20%
- (B) 30%
- (C) 15%
- (D) 25%

Q64. Three friends A, B, C rank 1st, 2nd, 3rd. A is not 1st, B is not 2nd. Who is 1st?

- (A) Cannot determine
- (B) B or C
- (C) B
- (D) A

Q65. From a data table: Sales in Q1 = 100, Q2 = 150, Q3 = 120, Q4 = 180. The average quarterly sales are:

- (A) 120
- (B) 112.5
- (C) 137.5
- (D) 150

Q66. If Monday is day 1, what day is the 50th day?

- (A) Friday
- (B) Sunday
- (C) Thursday
- (D) Saturday

Answer Key

Q1: (D)	Q2: (B)	Q3: (C)	Q4: (A)	Q5: (A)
Q6: (D)	Q7: (C)	Q8: (A)	Q9: (B)	Q10: (B)
Q11: (C)	Q12: (A)	Q13: (A)	Q14: (C)	Q15: (D)
Q16: (D)	Q17: (C)	Q18: (D)	Q19: (D)	Q20: (C)
Q21: (D)	Q22: (A)	Q23: (B)	Q24: (A)	Q25: (C)
Q26: (A)	Q27: (B)	Q28: (D)	Q29: (C)	Q30: (A)
Q31: (B)	Q32: (A)	Q33: (D)	Q34: (B)	Q35: (C)
Q36: (A)	Q37: (D)	Q38: (C)	Q39: (B)	Q40: (B)
Q41: (D)	Q42: (A)	Q43: (A)	Q44: (D)	Q45: (C)
Q46: (D)	Q47: (A)	Q48: (C)	Q49: (A)	Q50: (A)
Q51: (B)	Q52: (B)	Q53: (C)	Q54: (C)	Q55: (B)
Q56: (A)	Q57: (D)	Q58: (C)	Q59: (C)	Q60: (A)
Q61: (C)	Q62: (A)	Q63: (A)	Q64: (B)	Q65: (C)
Q66: (D)				

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