APTITUDE TEST

100 Questions for Placement Practice

Duration: 2 Hours (120 minutes)

Instructions:

- This test contains 100 multiple choice questions
- Each question has 4 options (A, B, C, D)
- Choose the most appropriate answer
- Time limit: 2 hours for all 100 questions
- No negative marking
- Use a separate answer sheet to mark your responses

QUANTITATIVE APTITUDE (Questions 1-40)

Number System & Basic Math (1-10)

1. What is the value of $\sqrt{144} + \sqrt[3]{125}$?

A) 19

B) 17

C) 21

D) 15

2. If $3x + 7 = 22$, then $x = ?$

A) 7

B) 5

C) 3

D) 9

3. The HCF of 48 and 72 is:

   A) 18

   B) 36

   C) 24

   D) 12

4. What is 25% of 80?

   A) 25

   B) 20

   C) 15

   D) 30

5. If a number is increased by 20% and then decreased by 20%, the net change is:

   A) No change

   B) 2% decrease

   C) 4% decrease

   D) 4% increase

6. The sum of first 10 natural numbers is:

   A) 45

   B) 50

   C) 55

   D) 60

7. What is the value of $2^3 \times 3^2$?

   A) 64

   B) 72

   C) 81

   D) 96

8. If 2x - 3 = 11, then 3x + 2 = ?

A) 21

B) 23

C) 25

D) 27

9. The LCM of 12 and 18 is:

A) 24

B) 30

C) 36

D) 42

10. What is 15% of 200 + 25% of 120?

A) 55

B) 60

C) 65

D) 70

11. If A:B = 3:4 and B:C = 2:5, then A:C = ?

A) 3:10

B) 6:20

C) 3:10

D) 6:5

12. Two numbers are in ratio 5:7. If their sum is 96, find the larger number.

A) 40

B) 42

C) 54

D) 56

13. If x:y = 2:3 and y:z = 4:5, then x:z = ?

A) 8:15

B) 6:15

C) 2:5

D) 8:5

14. The ratio of 1.5 hours to 90 minutes is:

A) 1:1

B) 2:1

C) 1:2

D) 3:2

15. If A:B:C = 2:3:4 and the sum is 45, then B = ?

A) 10

B) 12

C) 15

D) 18

16. A can complete a work in 12 days, B in 15 days. Working together, they can finish it in:

A) 6 days

B) 6.67 days

C) 7 days

D) 8 days

17. If 15 men can build a wall in 20 days, how many days will 10 men take?

A) 25 days

B) 30 days

C) 35 days

D) 40 days

18. A pipe can fill a tank in 6 hours. Another pipe can empty it in 8 hours. If both are open, the tank will be full in:

A) 20 hours

B) 22 hours

C) 24 hours

D) 26 hours

19. A does 1/3 of work in 5 days. B does 1/4 of work in 6 days. Who is faster?

A) A

B) B

C) Both equal

D) Cannot determine

20. 8 workers can complete a task in 12 days. After 4 days, 3 more workers join. In how many more days will the work be completed?

    A) 4 days

    B) 5 days

    C) 6 days

    D) 7 days

21. A train travels 60 km in 45 minutes. What is its speed in km/hr?

    A) 75 km/hr

    B) 80 km/hr

    C) 85 km/hr

    D) 90 km/hr

22. Two cars start from the same point in opposite directions at speeds of 40 km/hr and 60 km/hr. After 3 hours, they will be apart by:

    A) 200 km

    B) 250 km

    C) 300 km

    D) 350 km

23. A person walks at 5 km/hr for 2 hours, then at 4 km/hr for 1 hour. His average speed is:

    A) 4.33 km/hr

    B) 4.5 km/hr

    C) 4.67 km/hr

    D) 5 km/hr

24. If a car covers 240 km in 4 hours, what distance will it cover in 6 hours at the same speed?

    A) 320 km

    B) 340 km

    C) 360 km

    D) 380 km

25. A train 120 m long crosses a platform 180 m long in 15 seconds. What is the speed of the train?

A) 60 km/hr

B) 72 km/hr

C) 80 km/hr

D) 90 km/hr

Profit & Loss (26-30)

26. An article is sold for ₹450 at a profit of 25%. What was its cost price?

A) ₹350

B) ₹360

C) ₹375

D) ₹400

27. If selling price is ₹1200 and loss is 20%, what is the cost price?

A) ₹1400

B) ₹1440

C) ₹1500

D) ₹1600

28. A shopkeeper marks his goods 40% above cost price and gives 10% discount. His profit percentage is:

A) 24%

B) 26%

C) 28%

D) 30%

29. Two articles are sold at ₹500 each. On one there is 25% profit, on other 25% loss. Overall:

A) No profit no loss
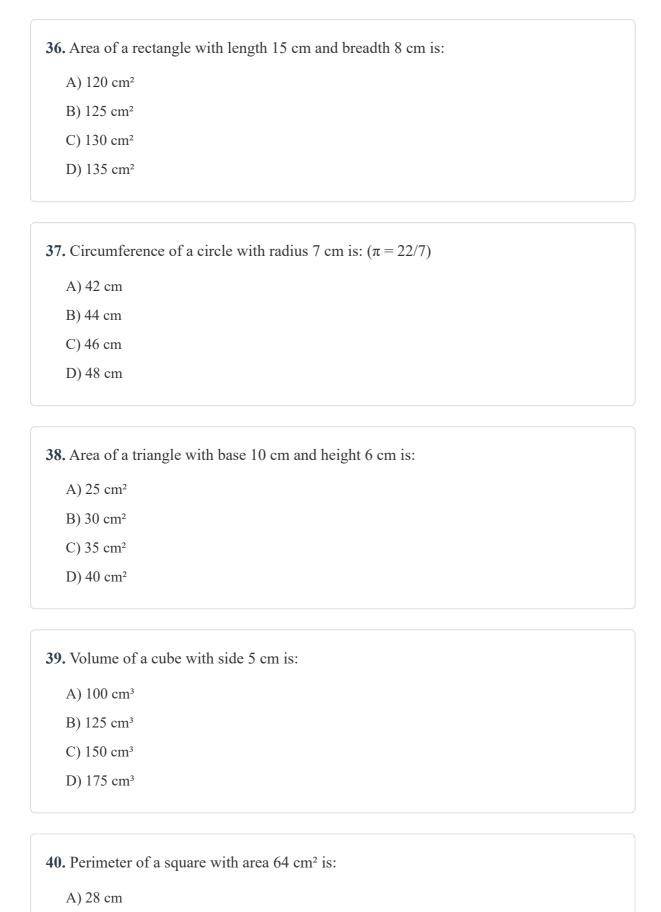
B) ₹66.67 loss

C) ₹66.67 profit

D) ₹100 loss

30. Cost price of 12 oranges equals selling price of 10 oranges. Profit percentage is:

A) 16.67%

B) 20%

C) 25%

D) 30%

31. Simple Interest on ₹1000 for 3 years at 5% per annum is:

    A) ₹140

    B) ₹150

    C) ₹160

    D) ₹170

32. What principal will give ₹200 as SI in 4 years at 5% per annum?

    A) ₹800

    B) ₹900

    C) ₹1000

    D) ₹1200

33. Compound Interest on ₹5000 for 2 years at 10% per annum is:

    A) ₹1000

    B) ₹1050

    C) ₹1100

    D) ₹1150

34. At what rate will ₹2000 become ₹2420 in 2 years (SI)?

    A) 8.5%

    B) 9%

    C) 10%

    D) 10.5%

35. The difference between CI and SI for 2 years on ₹1000 at 10% is:

    A) ₹8

    B) ₹10

    C) ₹12

D) ₹15

36. Area of a rectangle with length 15 cm and breadth 8 cm is:

A) 120 cm²

B) 125 cm²

C) 130 cm²

D) 135 cm²

37. Circumference of a circle with radius 7 cm is: ($\pi = 22/7$)

A) 42 cm

B) 44 cm

C) 46 cm

D) 48 cm

38. Area of a triangle with base 10 cm and height 6 cm is:

A) 25 cm²

B) 30 cm²

C) 35 cm²

D) 40 cm²

39. Volume of a cube with side 5 cm is:

A) 100 cm³

B) 125 cm³

C) 150 cm³

D) 175 cm³

40. Perimeter of a square with area 64 cm² is:

A) 28 cm

B) 30 cm

C) 32 cm

D) 36 cm

LOGICAL REASONING (Questions 41-70)

Series & Patterns (41-50)

41. What comes next: 2, 6, 12, 20, 30, ?

   A) 40

   B) 42

   C) 44

   D) 46

42. Find the missing number: 5, 11, 17, 23, ?

   A) 27

   B) 29

   C) 31

   D) 33

43. Complete the series: 1, 4, 9, 16, 25, ?

   A) 30

   B) 32

   C) 35

   D) 36

44. What comes next: 3, 7, 15, 31, ?

   A) 60

   B) 63

   C) 65

   D) 67

45. Find the odd one: 8, 27, 64, 125, 256

A) 8

B) 27

C) 125

D) 256

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46. Complete: AZ, BY, CX, ?

A) DW

B) EV

C) FU

D) DV

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47. What comes next: 2, 5, 10, 17, 26, ?

A) 35

B) 37

C) 39

D) 41

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48. Find missing: 144, 121, 100, 81, ?

A) 64

B) 65

C) 66

D) 67

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49. Complete: 1, 1, 2, 3, 5, 8, ?

A) 11

B) 12

C) 13

D) 14

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50. What comes next: Monday, Wednesday, Friday, ?

A) Saturday

B) Sunday

C) Tuesday

D) Thursday

Blood Relations (51-55)

51. A is B's sister. C is B's mother. D is C's father. E is D's mother. How is A related to E?

A) Granddaughter

B) Great granddaughter

C) Daughter

D) Niece

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

A) Mother

B) Sister

C) Aunt

D) Grandmother

53. If A + B means A is the father of B, A - B means A is the wife of B, what does P + Q - R mean?

A) P is father of R

B) P is grandfather of R

C) R is grandson of P

D) Both B and C

54. X is Y's brother. Y is Z's mother. W is Z's father. How is X related to W?

A) Brother

B) Brother-in-law

C) Father

D) Son

55. A man said to a lady, "Your mother's husband's sister is my aunt." How is the lady related to the man?

A) Sister

B) Daughter

C) Mother

D) Aunt

56. A person walks 5 km North, then 3 km East, then 2 km South. How far is he from starting point?

  A) 3 km

  B) 4 km

  C) 5 km

  D) 6 km

57. If South-East becomes North, North-East becomes West, and so on, what does South become?

  A) North-East

  B) North-West

  C) South-West

  D) West

58. A starts from home, goes 4 km North, 3 km West, 2 km South, 1 km East. How far is he from home?

  A) 2√2 km

  B) 2√5 km

  C) 3 km

  D) 4 km

59. If you are facing North and turn 90° clockwise, then 180° anticlockwise, which direction are you facing?

  A) North

  B) South

  C) East

  D) West

60. X is 40m South-West of Y. If X moves 20m East and then 30m North, what is X's position relative to Y?

    A) 20m West

    B) 20m North

    C) 10m North-West

    D) 10m South-West

Coding-Decoding (61-65)

61. If COMPUTER is coded as RFUVQNPC, how is MEDICINE coded?

    A) EOJDJMFC

    B) MFEJDJOF

    C) NFEJDJOF

    D) FOJDJEFN

62. In a code, FORK is written as 6-12-9-8. How is MALE written?

    A) 10-1-9-5

    B) 13-1-12-5

    C) 10-1-12-8

    D) 13-1-9-8

63. If CAT = 24, what does DOG equal?

    A) 26

    B) 29

    C) 32

    D) 35

64. If PLAY is coded as 16-12-1-25, how is GAME coded?

    A) 7-1-13-5

    B) 8-2-14-6

    C) 7-1-12-5

D) 6-1-13-4

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65. In a certain code, FRIEND is GQJDOE. What is CANDLE?

A) DBOEMF

B) DBOFMF

C) DBOEKF

D) DBOEMG

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66. All birds can fly. Sparrows are birds. Therefore:

A) All sparrows can fly

B) Some sparrows can fly

C) No sparrows can fly

D) Cannot be determined

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67. If all roses are flowers and some flowers are red, then:

A) All roses are red

B) Some roses are red

C) No roses are red

D) Cannot be determined

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68. Statement: No cats are dogs. All dogs are animals. Conclusion: Some animals are not cats.

A) True

B) False

C) Uncertain

D) Invalid

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69. If P > Q, Q > R, and R > S, then:

A) P > S

B) S > P

C) P = S

D) Cannot determine

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70. All teachers are graduates. Some graduates are doctors. Therefore:

A) All teachers are doctors

B) Some teachers are doctors

C) No teachers are doctors

D) Cannot be concluded

Synonyms (71-75)

71. Synonym of ABUNDANT:

A) Scarce

B) Plentiful

C) Moderate

D) Limited

72. Synonym of ARDUOUS:

A) Simple

B) Difficult

C) Pleasant

D) Quick

73. Synonym of BENEVOLENT:

A) Cruel

B) Kind

C) Selfish

D) Harsh

74. Synonym of EPHEMERAL:

A) Permanent

B) Temporary

C) Eternal

D) Lasting

75. Synonym of LUCID:

A) Unclear

B) Bright

C) Clear

D) Dark

76. Antonym of OPTIMISTIC:

A) Hopeful

B) Positive

C) Pessimistic

D) Confident

77. Antonym of VERBOSE:

A) Talkative

B) Concise

C) Detailed

D) Lengthy

78. Antonym of AUTHENTIC:

A) Real

B) Genuine

C) Fake

D) Original

79. Antonym of PRUDENT:

A) Careful

B) Wise

C) Reckless

D) Thoughtful

80. Antonym of ZENITH:

A) Peak

B) Summit

C) Nadir

D) Height

Passage:
The Internet has revolutionized communication, making it possible for people across the globe to connect instantly. Social media platforms have created virtual communities where individuals share experiences, ideas, and emotions. However, this digital connectivity comes with challenges including privacy concerns, cyberbullying, and information overload. Despite these issues, the Internet remains an invaluable tool for education, business, and social interaction.

81. According to the passage, the Internet has primarily:

A) Created problems

B) Revolutionized communication

C) Replaced traditional media

D) Eliminated privacy

82. Social media platforms are described as:

A) Dangerous tools

B) Virtual communities

C) Business platforms

D) Educational resources

83. The passage mentions which challenge of digital connectivity?

A) High costs

B) Technical difficulties

C) Privacy concerns

D) Limited access

84. Despite challenges, the Internet is valued for:

A) Entertainment only

B) Business only

C) Education, business, and social interaction

D) Communication only

85. The tone of the passage is:

A) Completely negative

B) Completely positive

C) Balanced

D) Neutral

86. Choose the correct sentence:

A) Each of the boys have done his work

B) Each of the boys has done his work

C) Each of the boys have done their work

D) Each of the boys has done their work

87. Fill in the blank: "If I _____ rich, I would help the poor."

A) am

B) was

C) were

D) will be

88. Choose the correct form: "The news _____ very disturbing."

A) are

B) is

C) were

D) have been

89. Identify the error: "The teacher along with students are going on a trip."

A) along with

B) students

C) are going

D) on a trip

90. Complete: "Neither John nor his friends _____ coming to the party."

A) is

B) are

C) was

D) were

GENERAL AWARENESS (Questions 91-100)

91. Who is the current President of India (as of 2025)?

A) Ram Nath Kovind

B) Droupadi Murmu

C) Pranab Mukherjee

D) A.P.J. Abdul Kalam

92. The capital of Australia is:

A) Sydney

B) Melbourne

C) Canberra

D) Perth

93. Which planet is known as the Red Planet?

A) Venus

B) Mars

C) Jupiter

D) Saturn

94. The largest ocean in the world is:

A) Atlantic

B) Indian

C) Arctic

D) Pacific

95. Who wrote "Pride and Prejudice"?

A) Charlotte Bronte

B) Emily Bronte

C) Jane Austen

D) Virginia Woolf

96. The currency of Japan is:

A) Yuan

B) Won

C) Yen

D) Ringgit

97. Which gas makes up the largest part of Earth's atmosphere?

A) Oxygen

B) Carbon dioxide

C) Nitrogen

D) Hydrogen

98. The smallest bone in human body is located in:

A) Hand

B) Foot

C) Ear

D) Nose

99. Who invented the telephone?

A) Thomas Edison

B) Alexander Graham Bell

C) Nikola Tesla

D) Guglielmo Marconi

100. The study of earthquakes is called:

A) Seismology

B) Geology

C) Meteorology

D) Astronomy

End of Question Paper

Total Questions: 100 | Duration: 120 minutes

All the Best!