RRB NTPC CBT-1 Practice Paper 1

CBT-1 Practice Paper 1

Pattern: 100 questions, 90 minutes, 1 mark each, 1/3 negative marking for each wrong answer.
Section distribution: General Awareness 40, Mathematics 30, Reasoning 30.
Instructions: Attempt the paper in exam-like conditions. For mock tests, complete the paper before checking the answer key.

General Awareness

1. Who wrote the national song Vande Mataram?
   (A) Rabindranath Tagore (B) Bankim Chandra Chatterjee (C) Sarojini Naidu (D) Subhas Chandra Bose
2. Which gas is most abundant in Earth's atmosphere?
   (A) Carbon dioxide (B) Oxygen (C) Hydrogen (D) Nitrogen
3. The Indian Railways was nationalised in:
   (A) 1951 (B) 1961 (C) 1956 (D) 1947
4. Which city is known as the Silicon Valley of India?
   (A) Pune (B) Hyderabad (C) Chennai (D) Bengaluru
5. The Finance Commission is constituted under which article?
   (A) Article 280 (B) Article 324 (C) Article 356 (D) Article 368
6. Which schedule of the Constitution contains languages?
   (A) Seventh Schedule (B) Tenth Schedule (C) Eighth Schedule (D) Fifth Schedule
7. Where is the headquarters of ISRO located?
   (A) Sriharikota (B) New Delhi (C) Bengaluru (D) Hyderabad
8. Which is the smallest union territory of India by area?
   (A) Puducherry (B) Lakshadweep (C) Delhi (D) Chandigarh
9. Who was the first President of India?
   (A) Dr. Rajendra Prasad (B) V. V. Giri (C) Dr. S. Radhakrishnan (D) Zakir Husain
10. Which is the highest civilian award in India?
   (A) Padma Bhushan (B) Param Vir Chakra (C) Padma Vibhushan (D) Bharat Ratna
11. The main source of energy for Earth is:
   (A) Moon (B) Wind (C) Sun (D) Ocean tides
12. Which vitamin is produced in the skin in sunlight?
   (A) Vitamin B12 (B) Vitamin A (C) Vitamin K (D) Vitamin D
13. The chemical formula of water is:
   (A) O2 (B) NaCl (C) CO2 (D) H2O
14. Which metal is liquid at room temperature?
   (A) Copper (B) Aluminium (C) Mercury (D) Iron
15. The Quit India Movement was launched in:
   (A) 1919 (B) 1920 (C) 1942 (D) 1930
16. Which organ purifies blood in the human body?
   (A) Heart (B) Lungs (C) Liver (D) Kidney
17. Which state has the longest coastline in India?
   (A) Kerala (B) Gujarat (C) Andhra Pradesh (D) Tamil Nadu
18. The Tropic of Cancer passes through how many Indian states?
   (A) 8 (B) 9 (C) 7 (D) 6
19. Which is the currency of Japan?
   (A) Yen (B) Won (C) Dollar (D) Ruble
20. Who discovered the law of gravitation?
   (A) Albert Einstein (B) Kepler (C) Isaac Newton (D) Galileo Galilei
21. Which day is celebrated as National Science Day in India?
   (A) 28 February (B) 5 September (C) 2 October (D) 15 August
22. The Planning Commission was replaced by:
   (A) NITI Aayog (B) Election Commission (C) Finance Commission (D) GST Council
23. The first passenger train in India ran between:
   (A) Chennai and Arakkonam (B) Kolkata and Howrah (C) Delhi and Agra (D) Mumbai and Thane
24. Which is the longest bone in the human body?
   (A) Tibia (B) Femur (C) Radius (D) Humerus

25. The pH value of pure water at room temperature is:
(A) 7 (B) 3 (C) 9 (D) 5

26. Which Indian state is known as the Spice Garden of India?
(A) Kerala (B) Assam (C) Odisha (D) Punjab

27. Which amendment lowered the voting age from 21 to 18?
(A) 61st Amendment (B) 73rd Amendment (C) 42nd Amendment (D) 44th Amendment

28. The book Discovery of India was written by:
(A) Jawaharlal Nehru (B) R. K. Narayan (C) Mahatma Gandhi (D) B. R. Ambedkar

29. Which is the largest gland in the human body?
(A) Pituitary (B) Thyroid (C) Liver (D) Pancreas

30. Which gas is used by plants during photosynthesis?
(A) Carbon dioxide (B) Nitrogen (C) Hydrogen (D) Oxygen

31. Which country hosted the G20 Summit in 2023?
(A) Japan (B) Italy (C) Brazil (D) India

32. Chandrayaan-3 landed near which region of the Moon?
(A) South polar region (B) North polar region (C) Far side equator (D) Equator

33. Which Indian city is associated with the Integral Coach Factory?
(A) Kolkata (B) Chennai (C) Varanasi (D) Bhopal

34. The Election Commission of India is responsible for conducting:
(A) Only cooperative elections (B) Parliament and State Assembly elections (C) Only local body elections (D) Only school elections

35. Which is the largest ocean in the world?
(A) Atlantic Ocean (B) Arctic Ocean (C) Pacific Ocean (D) Indian Ocean

36. The term GDP stands for:
(A) Gross Development Plan (B) Gross Domestic Product (C) General Distribution Product (D) General Domestic Price

37. Which part of the plant conducts photosynthesis mainly?
(A) Root (B) Stem (C) Leaf (D) Flower

38. Which instrument is used to measure atmospheric pressure?
(A) Ammeter (B) Barometer (C) Thermometer (D) Hygrometer

39. Which Mughal emperor built the Red Fort in Delhi?
(A) Shah Jahan (B) Akbar (C) Babur (D) Aurangzeb

40. Which is the constitutional head of a state in India?
(A) Speaker (B) Chief Secretary (C) Chief Minister (D) Governor

Mathematics

41. A train covers 120 km at 49 km/h. Approximate time taken is:
(A) 3 hours (B) 1 hours (C) 4 hours (D) 2 hours

42. If x = 15, find 3x + 7.
(A) 38 (B) 45 (C) 52 (D) 48

43. Find the area of a rectangle with length 12 cm and breadth 15 cm.
(A) 180 sq cm (B) 192 sq cm (C) 165 sq cm (D) 54 sq cm

44. Divide Rs. 117 in the ratio 5:4. What is the first share?
(A) 61 (B) 70 (C) 65 (D) 52

45. Simplify: 37 + 33.
(A) 4 (B) 102 (C) 70 (D) 1221

46. What is 5% of 82?
(A) 6 (B) 4 (C) 9 (D) 3

47. Find the LCM of 18 and 19.
(A) 1 (B) 360 (C) 342 (D) 323

48. A shopkeeper buys an article for Rs. 168 and gains 15%. Find the selling price.
(A) 153 (B) 193 (C) 203 (D) 183

49. A train covers 200 km at 57 km/h. Approximate time taken is:
(A) 4 hours (B) 5 hours (C) 6 hours (D) 3 hours

50. If x = 30, find 5x + 7.
(A) 155 (B) 157 (C) 143 (D) 150

51. Find the area of a rectangle with length 20 cm and breadth 11 cm.

(A) 209 sq cm (B) 240 sq cm (C) 62 sq cm (D) 220 sq cm

52. Divide Rs. 84 in the ratio 3:4. What is the first share?
(A) 48 (B) 36 (C) 32 (D) 39

53. Simplify: 61 + 41.
(A) 2501 (B) 142 (C) 20 (D) 102

54. What is 20% of 20?
(A) 6 (B) 9 (C) 3 (D) 4

55. Find the LCM of 26 and 27.
(A) 675 (B) 702 (C) 728 (D) 1

56. A shopkeeper buys an article for Rs. 224 and gains 25%. Find the selling price.
(A) 270 (B) 280 (C) 199 (D) 290

57. A train covers 280 km at 35 km/h. Approximate time taken is:
(A) 7 hours (B) 9 hours (C) 8 hours (D) 10 hours

58. If x = 45, find 7x + 7.
(A) 322 (B) 360 (C) 315 (D) 308

59. Find the area of a rectangle with length 13 cm and breadth 7 cm.
(A) 40 sq cm (B) 84 sq cm (C) 104 sq cm (D) 91 sq cm

60. Divide Rs. 110 in the ratio 6:4. What is the first share?
(A) 72 (B) 66 (C) 44 (D) 62

61. Simplify: 35 + 49.
(A) 84 (B) 1715 (C) 14 (D) -14

62. What is 10% of 28?
(A) 4 (B) 3 (C) 7 (D) 1

63. Find the LCM of 16 and 35.
(A) 576 (B) 560 (C) 1 (D) 525

64. A shopkeeper buys an article for Rs. 280 and gains 35%. Find the selling price.
(A) 388 (B) 368 (C) 245 (D) 378

65. A train covers 180 km at 43 km/h. Approximate time taken is:
(A) 6 hours (B) 3 hours (C) 5 hours (D) 4 hours

66. If x = 18, find 3x + 7.
(A) 57 (B) 54 (C) 47 (D) 61

67. Find the area of a rectangle with length 21 cm and breadth 15 cm.
(A) 315 sq cm (B) 300 sq cm (C) 72 sq cm (D) 336 sq cm

68. Divide Rs. 80 in the ratio 4:4. What is the first share?
(A) 36 (B) 95 (C) 44 (D) 40

69. Simplify: 59 + 17.
(A) 132 (B) 42 (C) 76 (D) 1003

70. What is 25% of 36?
(A) 8 (B) 11 (C) 9 (D) 14

General Intelligence and Reasoning

71. Find the odd one out.
(A) Potato (B) Banana (C) Mango (D) Apple

72. If square means multiplying a number by itself, what is the square of 5?
(A) 10 (B) 30 (C) 20 (D) 25

73. A person faces North, turns right, then again turns right, then turns left. Which direction is the person facing?
(A) South (B) East (C) North (D) West

74. Pointing to a woman, Ravi says, 'She is the sister of my father.' How is the woman related to Ravi?
(A) Mother (B) Aunt (C) Daughter (D) Sister

75. Find the next number: 6, 12, 18, 24, ?
(A) 32 (B) 36 (C) 30 (D) 24

76. AB : CD :: EF : ?
(A) FG (B) DE (C) GH (D) HI

77. If CLOCK is written in reverse order, what will it be?
(A) LOCKC (B) CCKLO (C) KCLOC (D) KCOLC

78. Find the odd one out.

(A) Potato (B) Apple (C) Mango (D) Banana

79. If square means multiplying a number by itself, what is the square of 6?
(A) 36 (B) 42 (C) 30 (D) 12

80. A person faces North, turns right, then again turns right, then turns left. Which direction is the person facing?
(A) West (B) East (C) North (D) South

81. Pointing to a woman, Ravi says, 'She is the sister of my father.' How is the woman related to Ravi?
(A) Sister (B) Aunt (C) Mother (D) Daughter

82. Find the next number: 3, 9, 15, 21, ?
(A) 21 (B) 33 (C) 29 (D) 27

83. HI : JK :: LM : ?
(A) OP (B) KL (C) MN (D) NO

84. If PLANT is written in reverse order, what will it be?
(A) LANTP (B) TNALP (C) TPLAN (D) ALNPT

85. Find the odd one out.
(A) Apple (B) Banana (C) Mango (D) Potato

86. If square means multiplying a number by itself, what is the square of 7?
(A) 56 (B) 42 (C) 14 (D) 49

87. A person faces North, turns right, then again turns right, then turns left. Which direction is the person facing?
(A) South (B) West (C) East (D) North

88. Pointing to a woman, Ravi says, 'She is the sister of my father.' How is the woman related to Ravi?
(A) Daughter (B) Mother (C) Aunt (D) Sister

89. Find the next number: 5, 11, 17, 23, ?
(A) 31 (B) 23 (C) 35 (D) 29

90. OP : QR :: ST : ?
(A) UV (B) VW (C) TU (D) RS

91. If POINT is written in reverse order, what will it be?
(A) INOPT (B) TNIOP (C) TPOIN (D) OINTP

92. Find the odd one out.
(A) Banana (B) Mango (C) Apple (D) Potato

93. If square means multiplying a number by itself, what is the square of 8?
(A) 64 (B) 72 (C) 56 (D) 16

94. A person faces North, turns right, then again turns right, then turns left. Which direction is the person facing?
(A) East (B) North (C) South (D) West

95. Pointing to a woman, Ravi says, 'She is the sister of my father.' How is the woman related to Ravi?
(A) Mother (B) Sister (C) Daughter (D) Aunt

96. Find the next number: 2, 8, 14, 20, ?
(A) 28 (B) 20 (C) 32 (D) 26

97. DE : FG :: HI : ?
(A) KL (B) GH (C) IJ (D) JK

98. If BRAVE is written in reverse order, what will it be?
(A) ABERV (B) EBRAV (C) EVARB (D) RAVEB

99. Find the odd one out.
(A) Potato (B) Banana (C) Apple (D) Mango

100. If square means multiplying a number by itself, what is the square of 9?
(A) 72 (B) 81 (C) 18 (D) 90

Answer Key

Q	Ans	Q	Ans	Q	Ans	Q	Ans
1	B	2	D	3	A	4	D
5	A	6	C	7	C	8	B
9	A	10	D	11	C	12	D
13	D	14	C	15	C	16	D
17	B	18	A	19	A	20	C
21	A	22	A	23	D	24	B
25	A	26	A	27	A	28	A
29	C	30	A	31	D	32	A
33	B	34	B	35	C	36	B
37	C	38	B	39	A	40	D
41	D	42	B	43	A	44	C
45	C	46	B	47	C	48	B
49	A	50	D	51	D	52	B
53	D	54	D	55	B	56	B
57	C	58	C	59	D	60	B
61	A	62	B	63	B	64	D
65	D	66	B	67	A	68	D
69	C	70	C	71	A	72	D
73	B	74	B	75	C	76	C
77	D	78	A	79	A	80	B
81	B	82	D	83	D	84	B
85	D	86	D	87	C	88	C
89	D	90	A	91	B	92	D
93	A	94	A	95	D	96	D
97	D	98	C	99	A	100	B