



MOCK TEST

RRB NTPC CBT-1 Mock Test – 01

Name:

Date :

Total Questions: 100

Total Marks: 100

Duration: 90 Minutes

Negative Marking: 1/3 Mark

Mode: Objective (MCQ)

Section Layout

Section I – Mathematics: Questions 1–30

Section II – General Intelligence & Reasoning : Questions 31–60

Section III – General Awareness : Questions 61–100

All the Best!

Amrit Academy

Cuttack, Odisha

Section I – MATCH : Q1–Q30

Questions 1–30

Q1. What is the HCF of 36, 48 and 60?

- (A) 6
- (B) 12
- (C) 18
- (D) 24

Q2. Simplify:

$$84 \div 7 \times 3 + 8$$

- (A) 40
- (B) 42
- (C) 44
- (D) 48

Q3. What is 25% of 480?

- (A) 100
- (B) 110
- (C) 120
- (D) 125

Q4. The ratio of boys to girls in a class is 7 : 5. If there are 84 boys, how many girls are there?

- (A) 50
- (B) 55
- (C) 60
- (D) 65

Q5. The average of five numbers is 28. Find their total.

- (A) 120
- (B) 130
- (C) 140
- (D) 150

Q6. A shopkeeper buys an article for ₹800 and sells it for ₹920. Find the profit percentage.

- (A) 12%
- (B) 15%
- (C) 18%
- (D) 20%

Q7. Find the simple interest on ₹5000 at 8% per annum for 3 years.

- (A) ₹1000
- (B) ₹1100
- (C) ₹1200
- (D) ₹1300

Q8. A can complete a work in 12 days. How much work will he complete in one day?

- (A) $\frac{1}{10}$
- (B) $\frac{1}{12}$
- (C) $\frac{1}{15}$
- (D) $\frac{1}{18}$

Q9. A train travels 240 km in 4 hours. Its speed is:

- (A) 50 km/h
- (B) 55 km/h
- (C) 60 km/h
- (D) 65 km/h

Q10. A boat moves downstream at 18 km/h and the stream speed is 3 km/h. Find the speed of the boat in still water.

- (A) 12 km/h
- (B) 15 km/h
- (C) 18 km/h
- (D) 21 km/h

Q11. The present age of a father is 42 years and that of his son is 14 years. What is their age ratio?

- (A) 2 : 1
- (B) 3 : 1
- (C) 4 : 1
- (D) 5 : 2

Q12. A mixture contains milk and water in the ratio 4 : 1. If the mixture is 25 litres, how much water is present?

- (A) 4 litres
- (B) 5 litres
- (C) 6 litres
- (D) 8 litres

Q13. Find the perimeter of a rectangle whose length is 12 cm and breadth is 8 cm.

- (A) 36 cm
- (B) 38 cm
- (C) 40 cm
- (D) 42 cm

Q14. Find the value of:

$$18^2$$

- (A) 314
- (B) 324
- (C) 334
- (D) 344

Q15. The LCM of 15 and 20 is:

- (A) 40
- (B) 50
- (C) 60
- (D) 80

Q16. A number is divided by 9 leaving remainder 4. What will be the remainder when the same number is divided by 3?

- (A) 0
- (B) 1
- (C) 2
- (D) Cannot be determined

Q17. If 45% of a number is 90, then the number is:

- (A) 180
- (B) 190
- (C) 200
- (D) 220

Q18. Divide ₹840 between A and B in the ratio 4 : 3.

- (A) ₹480, ₹360
- (B) ₹420, ₹420
- (C) ₹500, ₹340
- (D) ₹450, ₹390

Q19. The average of 8, 12, 16 and 20 is:

- (A) 12
- (B) 14
- (C) 16
- (D) 18

Q20. A shopkeeper marks an article at ₹1000 and allows a discount of 10%. Find the selling price.

- (A) ₹850
- (B) ₹880
- (C) ₹900
- (D) ₹950

Q21. Find the compound interest on ₹1000 at 10% per annum for 2 years.

- (A) ₹200
- (B) ₹210
- (C) ₹220
- (D) ₹230

Q22. A and B together complete a work in 6 days. If A alone can do it in 12 days, B alone can do it in:

- (A) 10 days
- (B) 12 days
- (C) 15 days
- (D) 18 days

Q23. A train 150 m long crosses a pole in 10 seconds. Find its speed.

- (A) 45 km/h
- (B) 54 km/h
- (C) 60 km/h
- (D) 72 km/h

Q24. Upstream speed of a boat is 8 km/h and downstream speed is 14 km/h. Find the speed of the stream.

- (A) 2 km/h
- (B) 3 km/h
- (C) 4 km/h
- (D) 5 km/h

Q25. The average age of 10 students is 15 years. Find the total age.

- (A) 120 years
- (B) 135 years
- (C) 150 years
- (D) 165 years

Q26. Find the area of a square of side 9 cm.

- (A) 72 cm^2
- (B) 81 cm^2
- (C) 90 cm^2
- (D) 99 cm^2

Q27. Solve:

$$3x + 5 = 20$$

- (A) 3
- (B) 4
- (C) 5
- (D) 6

Q28. The radius of a circle is 7 cm. Find its diameter.

- (A) 7 cm
- (B) 12 cm
- (C) 14 cm
- (D) 21 cm

Q29. In a class of 80 students, 60% are boys. How many girls are there?

- (A) 28
- (B) 30
- (C) 32
- (D) 36

Q30. Study the table and answer:

Item Sales

- | | |
|---|----|
| A | 40 |
| B | 30 |
| C | 20 |
| D | 10 |

What percentage of total sales is contributed by Item A?

- (A) 30%
- (B) 35%
- (C) 40%
- (D) 45%

Section II – General Intelligence & Reasoning : Questions 31–60

Analogy

Q31. Book is related to Reading in the same way as Pen is related to:

- (A) Writing
- (B) Drawing
- (C) Ink
- (D) Paper

Q32. 16 : 64 :: 25 : ?

- (A) 100
- (B) 125
- (C) 75
- (D) 50

Classification (Odd One Out)

Q33. Find the odd one out.

- (A) Mango
- (B) Apple
- (C) Carrot
- (D) Orange

Q34. Find the odd one out.

- (A) Square
- (B) Rectangle
- (C) Triangle
- (D) Cube

Q35. Find the next term:

3, 6, 12, 24, 48, ?

- (A) 72
- (B) 84
- (C) 96
- (D) 108

Q36. Find the missing term:

5, 10, 20, 40, ?

- (A) 60
- (B) 70
- (C) 80
- (D) 90

Q37. Find the next term:

A, C, E, G, ?

- (A) H
- (B) I
- (C) J
- (D) K

Q38. Find the missing letter:

Z, X, V, T, ?

- (A) R
- (B) S
- (C) Q
- (D) P

Q39. If CAT is coded as DBU, then DOG is coded as:

- (A) EPH
- (B) EOG
- (C) FPH
- (D) EPG

Q40. If PEN is coded as 123 and INK is coded as 456, then the code for PIN is:

- (A) 142
- (B) 152
- (C) 132
- (D) 143

Q41. Pointing to a woman, Raj said, "She is the daughter of my mother's only son." How is the woman related to Raj?

- (A) Sister
- (B) Daughter
- (C) Niece
- (D) Cousin

Q42. A is the father of B. B is the sister of C. C is the son of D. How is D related to A?

- (A) Brother
- (B) Wife
- (C) Father
- (D) Mother

Direction Sense

Q43. A man walks 10 m north, then 10 m east, then 10 m south. How far is he from the starting point?

- (A) 0 m
- (B) 5 m
- (C) 10 m
- (D) 15 m

Q44. Ravi faces east. He turns right, then right again. Which direction is he facing now?

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

Ranking

Q45. In a class, Amit is 12th from the top and 18th from the bottom. How many students are there in the class?

- (A) 28
- (B) 29
- (C) 30
- (D) 31

Q46. If P is taller than Q but shorter than R, who is the tallest?

- (A) P
- (B) Q
- (C) R
- (D) Cannot be determined

Q47. If '+' means '×', '-' means '+', '×' means '-', and '÷' means '÷', then:

$$8 + 4 - 6 = ?$$

- (A) 26
- (B) 38
- (C) 24
- (D) 34

Syllogism

Q48. Statements:

All pens are books.

All books are bags.

Conclusion:

- I. All pens are bags.
- II. All bags are pens.

(A) Only I follows

(B) Only II follows

(C) Both follow

(D) Neither follows

Q49. Statements:

All flowers are plants.

Some plants are trees.

Conclusion:

- I. Some flowers are trees.
- II. Some plants are flowers.

(A) Only I follows

(B) Only II follows

(C) Both follow

(D) Neither follows

Statement–Conclusion

Q50. Statement:

Road accidents have increased in the city.

Conclusions:

- I. Traffic rules are not being followed properly.
- II. More safety measures may be needed.

(A) Only I follows

(B) Only II follows

(C) Both follow

(D) Neither follows

Calendar

Q51. If 15 August 2025 is a Friday, what day of the week will 15 August 2026 be?

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

Clock

Q52. At 3:00, the angle between the hour hand and minute hand is:

- (A) 60°
- (B) 75°
- (C) 90°
- (D) 120°

Venn Diagram

Q53. Which of the following best represents the relationship among:

Mothers, Women, Teachers

- (A) Mothers and Teachers are separate groups inside Women
- (B) Teachers are inside Mothers
- (C) Women are inside Teachers
- (D) All three are identical

Mirror Image

Q54. If a mirror is placed vertically to the right of the word "MATH", the first letter seen in the mirror image will be:

- (A) M
- (B) A
- (C) H
- (D) T

Water Image

Q55. Water image is formed when reflection occurs in:

- (A) Vertical mirror
- (B) Horizontal surface
- (C) Plane mirror only
- (D) Convex mirror

Paper Folding

Q56. A square sheet of paper is folded once vertically and a hole is punched at the folded centre. After unfolding, how many holes will be visible?

- (A) 1
- (B) 2
- (C) 3
- (D) 4

Embedded Figure

Q57. Which type of reasoning question requires finding a simple shape hidden within a complex figure?

- (A) Mirror Image
- (B) Water Image
- (C) Embedded Figure
- (D) Analogy

Counting Figure

Q58. A square is divided by one horizontal and one vertical line passing through its centre. How many smaller squares are formed?

- (A) 2
- (B) 3
- (C) 4
- (D) 5

Mixed Reasoning

Q59. Find the missing term:

2, 5, 10, 17, 26, ?

- (A) 35
- (B) 37
- (C) 39
- (D) 41

Q60. If in a certain code, INDIA is written as JOEJB, then CHINA is written as:

- (A) DIJOB
- (B) EJKPC
- (C) DIKOB
- (D) DJJOB

Section III – General Awareness : Questions 61–100

History

Q61. Who founded the Maurya Empire?

- (A) Ashoka
- (B) Chandragupta Maurya
- (C) Bindusara
- (D) Harsha

Q62. The Battle of Plassey was fought in:

- (A) 1757
- (B) 1761
- (C) 1857
- (D) 1773

Q63. Who gave the slogan "Do or Die"?

- (A) Bal Gangadhar Tilak
- (B) Jawaharlal Nehru
- (C) Mahatma Gandhi
- (D) Subhas Chandra Bose

Q64. The Ajanta Caves are located in:

- (A) Maharashtra
- (B) Karnataka
- (C) Odisha
- (D) Gujarat

Geography

Q65. Which is the longest river in India?

- (A) Yamuna
- (B) Godavari
- (C) Ganga
- (D) Narmada

Q66. The Tropic of Cancer passes through how many Indian states?

- (A) 6
- (B) 7
- (C) 8
- (D) 9

Q67. Which plateau is known as the mineral storehouse of India?

- (A) Malwa Plateau
- (B) Chota Nagpur Plateau
- (C) Deccan Plateau
- (D) Meghalaya Plateau

Q68. Which is the highest mountain peak in India?

- (A) Kanchenjunga
- (B) Nanda Devi
- (C) Kamet
- (D) Annapurna

Indian Polity

Q69. The Constitution of India came into force on:

- (A) 15 August 1947
- (B) 26 January 1950
- (C) 26 November 1949
- (D) 2 October 1950

Q70. Fundamental Rights are contained in:

- (A) Part II
- (B) Part III
- (C) Part IV
- (D) Part V

Q71. Who appoints the Governor of a State?

- (A) Prime Minister
- (B) Chief Minister
- (C) President of India
- (D) Parliament

Q72. How many members can be nominated to the Rajya Sabha by the President?

- (A) 10
- (B) 12
- (C) 14
- (D) 15

Economy

Q73. RBI was established in:

- (A) 1935
- (B) 1947
- (C) 1950
- (D) 1969

Q74. Which is known as the "Banker's Bank"?

- (A) SBI
- (B) NABARD
- (C) RBI
- (D) SIDBI

Q75. GST stands for:

- (A) Goods Service Tax
- (B) General Sales Tax
- (C) Goods and Services Tax
- (D) Government Sales Tax

Physics

Q76. SI unit of force is:

- (A) Joule
- (B) Watt
- (C) Newton
- (D) Pascal

Q77. Speed of light in vacuum is approximately:

- (A) 3×10^6 m/s
- (B) 3×10^7 m/s
- (C) 3×10^8 m/s
- (D) 3×10^9 m/s

Q78. Which mirror is used in vehicle rear-view mirrors?

- (A) Convex
- (B) Concave
- (C) Plane
- (D) Cylindrical

Chemistry

Q79. Water is a compound of:

- (A) Hydrogen and Nitrogen
- (B) Hydrogen and Oxygen
- (C) Oxygen and Carbon
- (D) Hydrogen and Helium

Q80. The pH value of pure water is:

- (A) 5
- (B) 6
- (C) 7
- (D) 8

Q81. Which gas is essential for respiration?

- (A) Nitrogen
- (B) Oxygen
- (C) Hydrogen
- (D) Carbon Dioxide

Biology

Q82. The powerhouse of the cell is:

- (A) Nucleus
- (B) Ribosome
- (C) Mitochondria
- (D) Golgi Body

Q83. Vitamin C deficiency causes:

- (A) Rickets
- (B) Beriberi
- (C) Scurvy
- (D) Night Blindness

Q84. Blood is purified in the:

- (A) Heart
- (B) Kidney
- (C) Liver
- (D) Lung

Static GK

Q85. National Animal of India is:

- (A) Lion
- (B) Tiger
- (C) Elephant
- (D) Leopard

Q86. Which is the largest state of India by area?

- (A) Madhya Pradesh
- (B) Maharashtra
- (C) Rajasthan
- (D) Uttar Pradesh

Q87. The national anthem of India was written by:

- (A) Bankim Chandra Chattopadhyay
- (B) Rabindranath Tagore
- (C) Sarojini Naidu
- (D) Subhas Chandra Bose

Sports

Q88. How many players are there in a cricket team?

- (A) 9
- (B) 10
- (C) 11
- (D) 12

Q89. The Olympic Games are held every:

- (A) 2 years
- (B) 3 years
- (C) 4 years
- (D) 5 years

Awards

Q90. India's highest civilian award is:

- (A) Padma Shri
- (B) Padma Bhushan
- (C) Padma Vibhushan
- (D) Bharat Ratna

Books & Authors

Q91. Who wrote *Discovery of India*?

- (A) Mahatma Gandhi
- (B) Jawaharlal Nehru
- (C) B.R. Ambedkar
- (D) Sardar Patel

Important Days

Q92. International Women's Day is observed on:

- (A) 8 March
- (B) 15 March
- (C) 5 June
- (D) 21 June

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Q93. World Environment Day is observed on: (A) 22 April (B) 5 June (C) 16 September (D) 10 December Current Affairs (Recent, Stable) Q94. Chandrayaan-3 successfully landed on: (A) Mars (B) Venus (C) Moon (D) Mercury Q95. G20 Summit 2023 hosted by India was held in: (A) Mumbai (B) Bengaluru (C) New Delhi (D) Hyderabad Railway GK Q96. Indian Railways is administered by: (A) Ministry of Transport (B) Ministry of Road Transport (C) Ministry of Railways (D) NITI Aayog Q97. The headquarters of Indian Railways is located in: (A) Mumbai (B) Kolkata (C) Chennai (D) New Delhi	Q98. Which organization operates the railway network in India? (A) NHA (B) Indian Railways (C) Air India (D) DMRC Mixed General Awareness Q99. Which planet is known as the Red Planet? (A) Venus (B) Mars (C) Jupiter (D) Saturn Q100. Who is known as the Father of the Indian Constitution? (A) Mahatma Gandhi (B) Jawaharlal Nehru (C) B.R. Ambedkar (D) Rajendra Prasad
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