



MOCK TEST

RRB NTPC CBT-1 Mock Test – 02

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

Q1. What is the HCF of 54 and 72?

- (A) 12
- (B) 18
- (C) 24
- (D) 36

Q2. Find the LCM of 18 and 24.

- (A) 48
- (B) 60
- (C) 72
- (D) 96

Simplification

Q3. Simplify:

$$96 \div 8 + 15 \times 2$$

- (A) 40
- (B) 42
- (C) 44
- (D) 46

Q4. Evaluate:

$$25^2 - 15^2$$

- (A) 350
- (B) 400
- (C) 450
- (D) 500

Percentage

Q5. A number is increased by 20% and becomes 240. Find the original number.

- (A) 180
- (B) 190
- (C) 200
- (D) 210

Q6. What is 35% of 560?

- (A) 186
- (B) 196
- (C) 206
- (D) 216

Ratio & Proportion

Q7. Divide ₹900 in the ratio 2 : 3.

- (A) ₹360, ₹540
- (B) ₹300, ₹600
- (C) ₹400, ₹500
- (D) ₹450, ₹450

Q8. The ratio of men to women in a group is 5 : 4. If there are 45 men, how many women are there?

- (A) 32
- (B) 34
- (C) 36
- (D) 40

Average

Q9. The average of six numbers is 24. Find their sum.

- (A) 124
- (B) 132
- (C) 144
- (D) 156

Q10. The average age of 8 students is 16 years. What is their total age?

- (A) 120 years
- (B) 128 years
- (C) 136 years
- (D) 144 years

Profit & Loss

Q11. An article is purchased for ₹1500 and sold for ₹1650. Find the profit percentage.

- (A) 8%
- (B) 10%
- (C) 12%
- (D) 15%

Q12. A shopkeeper gives a discount of 15% on an article marked at ₹2000. Find the selling price.

- (A) ₹1600
- (B) ₹1650
- (C) ₹1700
- (D) ₹1750

Simple & Compound Interest

Q13. Find the simple interest on ₹4000 at 5% per annum for 4 years.

- (A) ₹700
- (B) ₹750
- (C) ₹800
- (D) ₹850

Q14. Find the compound interest on ₹2000 at 10% per annum for 2 years.

- (A) ₹400
- (B) ₹420
- (C) ₹440
- (D) ₹460

Time & Work

Q15. A can complete a work in 15 days. What fraction of work does he complete in one day?

- (A) $\frac{1}{12}$
- (B) $\frac{1}{15}$
- (C) $\frac{1}{18}$
- (D) $\frac{1}{20}$

Q16. A can do a work in 20 days and B in 30 days. Together they can do it in:

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

Time, Speed & Distance

Q17. A car travels 300 km in 5 hours. Find its speed.

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

Q18. A train covers 420 km in 7 hours. Its speed is:

- (A) 50 km/h
- (B) 55 km/h
- (C) 60 km/h
- (D) 70 km/h

Boats & Streams

Q19. Downstream speed of a boat is 20 km/h and stream speed is 4 km/h. Find the speed of the boat in still water.

- (A) 14 km/h
- (B) 15 km/h
- (C) 16 km/h
- (D) 18 km/h

Q20. Upstream speed is 10 km/h and downstream speed is 16 km/h. Find the speed of the stream.

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

Ages

Q21. The present age of a mother is 36 years and her daughter is 12 years old. What is their age ratio?

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

Q22. A father's age is 45 years and his son's age is 15 years. After 5 years, what will be their age ratio?

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

Mixture

Q23. Milk and water are mixed in the ratio 7 : 3. If the mixture is 50 litres, how much water is present?

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

Mensuration

Q24. Find the area of a rectangle whose length is 15 cm and breadth is 9 cm.

- (A) 125 cm^2
- (B) 130 cm^2
- (C) 135 cm^2
- (D) 140 cm^2

Q25. Find the perimeter of a square of side 11 cm.

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

Algebra

Q26. Solve:

$$4x + 8 = 32$$

- (A) 4
- (B) 5
- (C) 6
- (D) 7

Q27. If $y = 7$, find the value of $3y + 5$.

- (A) 24
- (B) 25
- (C) 26
- (D) 27

Geometry

Q28. The diameter of a circle is 18 cm. Find its radius.

- (A) 7 cm
- (B) 8 cm
- (C) 9 cm
- (D) 10 cm

Data Interpretation

The following table shows the number of books sold by a shop.

Day	Books Sold
Monday	20
Tuesday	25
Wednesday	15
Thursday	30

Q29. On which day were the maximum books sold?

- (A) Monday
- (B) Tuesday
- (C) Wednesday
- (D) Thursday

Q30. What is the total number of books sold during the four days?

- (A) 80
- (B) 85
- (C) 90
- (D) 95

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

Analogy

Q31. Book : Read :: Food : ?

- (A) Eat
- (B) Cook
- (C) Buy
- (D) Serve

Q32. Doctor : Hospital :: Teacher : ?

- (A) School
- (B) Library
- (C) Laboratory
- (D) Office

Classification (Odd One Out)

Q33. Find the odd one out.

- (A) Rose
- (B) Lotus
- (C) Jasmine
- (D) Mango

Q34. Find the odd one out.

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

Number Series

Q35. Complete the series:

3, 6, 12, 24, ?

- (A) 36
- (B) 42
- (C) 48
- (D) 54

Q36. Complete the series:

5, 10, 17, 26, 37, ?

- (A) 48
- (B) 50
- (C) 52
- (D) 54

Alphabet Series

Q37. Complete the series:

A, C, F, J, O, ?

- (A) S
- (B) T
- (C) U
- (D) V

Q38. Complete the series:

Z, X, U, Q, ?

- (A) N
- (B) M
- (C) L
- (D) K

Coding-Decoding

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

- (A) EPH
- (B) FQI
- (C) EOH
- (D) DPH

Q40. If PEN is coded as QFO, then BOOK is coded as:

- (A) CPPL
- (B) CPLL
- (C) CQQM
- (D) CPPL

Blood Relation

Q41. Pointing to a woman, Raj said, “She is the daughter of my grandfather’s only son.” The woman is Raj’s:

- (A) Sister
- (B) Mother
- (C) Cousin
- (D) Aunt

Q42. A is the brother of B. B is the mother of C. How is A related to C?

- (A) Father
- (B) Uncle
- (C) Brother
- (D) Grandfather

Direction Sense

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

- (A) 0 m
- (B) 5 m
- (C) 10 m
- (D) 20 m

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

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

Ranking

Q45. In a class of 40 students, Rina is 12th from the top. What is her rank from the bottom?

- (A) 27th
- (B) 28th
- (C) 29th
- (D) 30th

Q46. Mohan is 18th from the left and 15th from the right in a row. How many persons are there in the row?

- (A) 31
- (B) 32
- (C) 33
- (D) 34

Mathematical Operations

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

$$8 - 3 \times 4 = ?$$

- (A) 20
- (B) 15
- (C) 13
- (D) 9

Q48. If '÷' means '+', '+' means '×', then:

$$6 \div 4 + 2 = ?$$

- (A) 20
- (B) 18
- (C) 14
- (D) 12

Syllogism

Q49.

Statements:

All pens are books.

All books are bags.

Conclusions:

I. All pens are bags.

II. All bags are pens.

- (A) Only I follows
- (B) Only II follows
- (C) Both follow
- (D) Neither follows

Q50.

Statements:

All apples are fruits.

Some fruits are vegetables.

Conclusions:

I. Some apples are vegetables.

II. Some fruits are vegetables.

(A) Only I follows

(B) Only II follows

(C) Both follow

(D) Neither follows

Statement–Conclusion

Q51.

Statement:

Road accidents have increased during heavy rainfall.

Conclusions:

I. Rainfall may affect road safety.

II. All accidents occur because of rainfall.

(A) Only I follows

(B) Only II follows

(C) Both follow

(D) Neither follows

Q52.

Statement:

Many students attended the free career seminar.

Conclusions:

I. The seminar attracted students.

II. Every student in the city attended it.

(A) Only I follows

(B) Only II follows

(C) Both follow

(D) Neither follows

Q53. If 1 January is Monday, what day will 10 January be?

(A) Tuesday

(B) Wednesday

(C) Thursday

(D) Friday

Q54. What is the angle between the hour and minute hands at 3:00?

(A) 45°

(B) 60°

(C) 90°

(D) 120°

Venn Diagram

Q55. Which of the following best represents the relationship among:

Teachers, Women, Mothers

(A) Mothers inside Women; Teachers partly overlapping Women

(B) Three separate circles

(C) Teachers inside Mothers

(D) All three identical

Mirror Image

Q56. Which letter remains unchanged in a vertical mirror?

(A) A

(B) M

(C) F

(D) G

Water Image

Q57. Which letter remains unchanged in a horizontal water image?

(A) B

(B) C

(C) O

(D) P

Paper Folding

Q58. A square paper is folded once horizontally and a hole is punched at the centre of the folded paper. After unfolding, how many holes will be visible?

(A) 1

(B) 2

(C) 3

(D) 4

Q59. Which simple figure is most likely to be hidden inside a complex geometrical design?

(A) Triangle

(B) Circle

(C) Hexagon

(D) Pentagon

Q60. How many triangles are present in the figure formed by a triangle divided into four equal smaller triangles?

(A) 4

(B) 6

(C) 8

(D) 10

Section III – General Awareness : Questions 61–100

History

Q61. Who founded the Maurya Empire?

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

Q62. The Battle of Plassey was fought in:

- (A) 1757
- (B) 1761
- (C) 1764
- (D) 1773

Q63. Who was known as the "Iron Man of India"?

- (A) Jawaharlal Nehru
- (B) Sardar Vallabhbhai Patel
- (C) Subhas Chandra Bose
- (D) Lal Bahadur Shastri

Geography

Q64. Which river is known as the National River of India?

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

Q65. The Tropic of Cancer passes through how many Indian states?

- (A) 6
- (B) 8
- (C) 10
- (D) 12

Q66. Which plateau is known as the mineral storehouse of India?

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

Indian Polity

Q67. The Fundamental Duties were added to the Constitution by which Amendment?

- (A) 42nd Amendment
- (B) 44th Amendment
- (C) 52nd Amendment
- (D) 61st Amendment

Q68. Who appoints the Governor of a State?

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

Q69. The minimum voting age in India is:

- (A) 16 years
- (B) 18 years
- (C) 21 years
- (D) 25 years

Indian Economy

Q70. Which institution issues currency notes in India?

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

Q71. GST stands for:

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

Q72. Which sector is known as the primary sector?

- (A) Manufacturing
- (B) Agriculture
- (C) Banking
- (D) Transport

Physics

Q73. The SI unit of force is:

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

Q74. Which instrument is used to measure electric current?

- (A) Voltmeter
- (B) Ammeter
- (C) Barometer
- (D) Hygrometer

Chemistry

Q75. Water is a compound of:

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

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Q76. The chemical symbol of Sodium is: (A) So (B) Sd (C) Na (D) S Biology Q77. Which organ purifies blood in the human body? (A) Heart (B) Kidney (C) Liver (D) Lung Q78. Vitamin D deficiency causes: (A) Scurvy (B) Beriberi (C) Rickets (D) Night Blindness Static GK Q79. What is the capital of Uttarakhand? (A) Dehradun (B) Shimla (C) Ranchi (D) Gangtok Q80. Which is the highest civilian award in India? (A) Padma Shri (B) Padma Bhushan (C) Bharat Ratna (D) Padma Vibhushan Sports Q81. How many players are there in a volleyball team on the court? (A) 5 (B) 6 (C) 7 (D) 8 Q82. Which country hosted the FIFA World Cup 2022? (A) Russia (B) USA (C) Qatar (D) France	Awards Q83. The Dadasaheb Phalke Award is associated with: (A) Literature (B) Sports (C) Cinema (D) Science Q84. Which award is India's highest wartime gallantry award? (A) Ashoka Chakra (B) Param Vir Chakra (C) Kirti Chakra (D) Maha Vir Chakra Books & Authors Q85. Who wrote <i>Discovery of India</i>? (A) Mahatma Gandhi (B) Jawaharlal Nehru (C) B.R. Ambedkar (D) Rabindranath Tagore Q86. <i>Wings of Fire</i> is the autobiography of: (A) Vikram Sarabhai (B) A.P.J. Abdul Kalam (C) Homi Bhabha (D) Satish Dhawan Important Days Q87. World Environment Day is observed on: (A) 5 June (B) 8 June (C) 15 June (D) 21 June Q88. National Youth Day in India is celebrated on: (A) 12 January (B) 23 January (C) 26 January (D) 15 August Current Affairs Q89. Which summit is attended by Brazil, Russia, India, China and South Africa? (A) ASEAN (B) BRICS (C) BIMSTEC (D) SCO
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Q90. Which Indian mission was launched for solar observation? (A) Chandrayaan-3 (B) Gaganyaan (C) Aditya-L1 (D) Mangalyaan Q91. UPI is primarily associated with: (A) Health Services (B) Digital Payments (C) Railways (D) Education Railway GK Q92. Indian Railways is administered by: (A) Ministry of Road Transport (B) Ministry of Civil Aviation (C) Ministry of Railways (D) Ministry of Commerce Q93. The headquarters of Indian Railways is located in: (A) Mumbai (B) Kolkata (C) Chennai (D) New Delhi Q94. Railway coaches are primarily manufactured at: (A) Integral Coach Factory, Chennai (B) HAL Bengaluru (C) BHEL Haridwar (D) NAL Bengaluru Mixed General Awareness Q95. Which is the largest planet in the Solar System? (A) Earth (B) Saturn (C) Jupiter (D) Mars Q96. The Constitution of India came into force on: (A) 15 August 1947 (B) 26 January 1950 (C) 26 November 1949 (D) 2 October 1950	Q97. Which gas is most abundant in the Earth's atmosphere? (A) Oxygen (B) Carbon Dioxide (C) Nitrogen (D) Hydrogen Q98. Which city is known as the Pink City of India? (A) Udaipur (B) Jaipur (C) Jodhpur (D) Bikaner Q99. Who is known as the Father of the Green Revolution in India? (A) M.S. Swaminathan (B) Verghese Kurien (C) C. Subramaniam (D) Norman Borlaug Q100. Which Article of the Constitution deals with Equality before Law? (A) Article 12 (B) Article 14 (C) Article 19 (D) Article 21
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Not Just Courses. Career Direction."



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Name:
Date :

AMRIT ACADEMY

Website: www.amritacademy.co.in

WhatsApp: 9777299581

Cuttack, Odisha