

	MOCK TEST RRB NTPC CBT-1 Mock Test – 03	Name: Date :
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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

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Section I – MATCH : Q1–Q30	
Q1. What is the remainder when 857 is divided by 8? (A) 1 (B) 3 (C) 5 (D) 7 Q2. Which of the following numbers is divisible by 9? (A) 2345 (B) 5678 (C) 7290 (D) 8123 Simplification Q3. Simplify: $48 \div 6 \times 5 + 12$ (A) 48 (B) 50 (C) 52 (D) 54 Q4. Evaluate: $36 + 24 \div 6 \times 4$ (A) 48 (B) 50 (C) 52 (D) 54 Percentage Q5. The price of an article is increased from ₹800 to ₹920. Find the percentage increase. (A) 12% (B) 15% (C) 18% (D) 20% Q6. A student scores 72 marks out of 90. What is his percentage? (A) 75% (B) 78% (C) 80% (D) 82% Ratio & Partnership Q7. A and B invest in a business in the ratio 4 : 5. If the total investment is ₹27,000, B's investment is: (A) ₹12,000 (B) ₹15,000 (C) ₹18,000 (D) ₹20,000	Q8. The ratio of boys to girls in a class is 7 : 5. If there are 42 boys, how many girls are there? (A) 28 (B) 30 (C) 32 (D) 35 Average Q9. The average of 9 numbers is 18. Find their sum. (A) 152 (B) 160 (C) 162 (D) 168 Q10. The average of five consecutive numbers is 24. What is the largest number? (A) 25 (B) 26 (C) 27 (D) 28 Profit & Loss Q11. A shopkeeper buys an article for ₹1200 and sells it for ₹1380. Find the profit percentage. (A) 12% (B) 15% (C) 18% (D) 20% Q12. An article marked at ₹2500 is sold at a discount of 20%. Find the selling price. (A) ₹1800 (B) ₹1900 (C) ₹2000 (D) ₹2100 Simple & Compound Interest Q13. Find the simple interest on ₹5000 at 6% per annum for 3 years. (A) ₹800 (B) ₹850 (C) ₹900 (D) ₹950

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Q14. Find the compound interest on ₹1000 at 10% per annum for 2 years. (A) ₹200 (B) ₹210 (C) ₹220 (D) ₹230 Time & Work Q15. A can complete a work in 24 days. B can complete the same work in 12 days. Together they can complete it in: (A) 6 days (B) 8 days (C) 10 days (D) 12 days Q16. If 8 workers complete a work in 15 days, how many days will 10 workers take? (A) 10 days (B) 12 days (C) 14 days (D) 16 days Time, Speed & Distance Q17. A train travels 360 km in 6 hours. Its speed is: (A) 50 km/h (B) 55 km/h (C) 60 km/h (D) 65 km/h Q18. A cyclist travels at 18 km/h. How much distance will he cover in 2.5 hours? (A) 40 km (B) 42 km (C) 45 km (D) 48 km Trains Q19. A train 150 m long passes a pole in 15 seconds. Find its speed. (A) 8 m/s (B) 10 m/s (C) 12 m/s (D) 15 m/s	Q20. A train moving at 54 km/h crosses a platform of 300 m in 30 seconds. Find the length of the train. (A) 120 m (B) 150 m (C) 180 m (D) 200 m Ages Q21. The present ages of a father and son are in the ratio 5 : 2. If the father is 40 years old, the son's age is: (A) 14 years (B) 15 years (C) 16 years (D) 18 years Q22. A mother is 30 years older than her daughter. If the daughter is 12 years old, the mother's age is: (A) 40 years (B) 42 years (C) 44 years (D) 46 years Mixture Q23. In a mixture of 60 litres, milk and water are in the ratio 4 : 1. Quantity of water is: (A) 10 litres (B) 12 litres (C) 15 litres (D) 20 litres Mensuration Q24. Find the area of a square whose side is 14 cm. (A) 176 cm^2 (B) 186 cm^2 (C) 196 cm^2 (D) 206 cm^2 Q25. The circumference of a circle is 44 cm. Find its radius. (A) 6 cm (B) 7 cm (C) 8 cm (D) 9 cm
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Algebra Q26. Solve:	Data Interpretation
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$5x - 10 = 25$ (A) 5 (B) 6 (C) 7 (D) 8 Q27. If $x = 8$, find the value of $2x + 7$. (A) 21 (B) 22 (C) 23 (D) 24 Geometry Q28. The sum of angles of a triangle is: (A) 90° (B) 180° (C) 270° (D) 360°	The table below shows the number of candidates selected from four centres. Centre Selected Candidates <table style="margin-left: auto; margin-right: auto;"> <tr><td>A</td><td>40</td></tr> <tr><td>B</td><td>35</td></tr> <tr><td>C</td><td>25</td></tr> <tr><td>D</td><td>50</td></tr> </table> Q29. Which centre recorded the highest number of selections? (A) A (B) B (C) C (D) D Q30. What is the total number of selected candidates from all centres? (A) 140 (B) 145 (C) 150 (D) 155	A	40	B	35	C	25	D	50
A	40								
B	35								
C	25								
D	50								

Section II – General Intelligence & Reasoning : Questions 31–60	
Analogy Q31. Bird : Nest :: Bee : ? (A) Hive (B) Forest (C) Cage (D) Tree Q32. Eye : See :: Ear : ? (A) Hear (B) Smell (C) Touch (D) Speak Classification (Odd One Out) Q33. Find the odd one out. (A) Copper (B) Iron (C) Silver (D) Plastic	Q34. Find the odd one out. (A) January (B) March (C) July (D) Tuesday Number Series Q35. Complete the series: 2, 5, 10, 17, 26, ? (A) 35 (B) 37 (C) 39 (D) 41 Q36. Complete the series: 81, 27, 9, 3, ? (A) 2 (B) 1 (C) 0 (D) $\frac{1}{3}$

Alphabet Series	Direction Sense
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Q37. Complete the series: B, E, H, K, ? (A) M (B) N (C) O (D) P Q38. Complete the series: Y, V, S, P, ? (A) M (B) N (C) O (D) L Coding-Decoding Q39. If TABLE is coded as UBCMF, then CHAIR is coded as: (A) DIBJS (B) DIBKT (C) EJCJS (D) DICJS Q40. If MOON is coded as NPPO, then STAR is coded as: (A) TUBS (B) TUBQ (C) TUBR (D) SVBS Blood Relation Q41. Pointing towards a boy, a woman said, “He is the son of my mother's only daughter.” The boy is the woman's: (A) Brother (B) Son (C) Nephew (D) Cousin Q42. P is the father of Q. Q is the sister of R. How is P related to R? (A) Brother (B) Father (C) Uncle (D) Grandfather	Q43. A person walks 8 m south, then 6 m east. How far is he from the starting point? (A) 8 m (B) 10 m (C) 12 m (D) 14 m Q44. A person faces north. He turns left and then left again. Which direction is he facing now? (A) East (B) West (C) South (D) North Ranking Q45. In a row of 35 students, Aman is 10th from the left. What is his rank from the right? (A) 24th (B) 25th (C) 26th (D) 27th Q46. A student is 14th from the front and 11th from the back. How many students are there in the row? (A) 23 (B) 24 (C) 25 (D) 26 Mathematical Operations Q47. If '+' means '÷' and '÷' means '+', then: $12 + 4 \div 2 = ?$ (A) 5 (B) 8 (C) 14 (D) 18 Q48. If '×' means '+' and '+' means '-', then: $9 \times 4 + 3 = ?$ (A) 8 (B) 10 (C) 12 (D) 16
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Syllogism Q49.	Calendar
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Statements: All cats are animals. All animals are living beings. Conclusions: I. All cats are living beings. II. All living beings are cats. (A) Only I follows (B) Only II follows (C) Both follow (D) Neither follows Q50. Statements: All buses are vehicles. Some vehicles are cars. Conclusions: I. Some buses are cars. II. Some vehicles are cars. (A) Only I follows (B) Only II follows (C) Both follow (D) Neither follows Statement–Conclusion Q51. Statement: Online classes allow students to learn from home. Conclusions: I. Students can attend classes without travelling. II. All students prefer online classes. (A) Only I follows (B) Only II follows (C) Both follow (D) Neither follows Q52. Statement: The library remained open until late evening. Conclusions: I. Students could use the library for a longer time. II. The library remained closed during the day. (A) Only I follows (B) Only II follows (C) Both follow (D) Neither follows	Q53. If 15 August is a Friday, what day will 22 August be? (A) Thursday (B) Friday (C) Saturday (D) Sunday Clock Q54. What is the angle between the hour and minute hands at 6:00? (A) 90° (B) 120° (C) 180° (D) 270° Venn Diagram Q55. Which of the following best represents the relationship among: Vehicles, Cars, Buses (A) Cars and Buses are separate groups inside Vehicles (B) Vehicles inside Cars (C) Cars inside Buses (D) All identical Mirror Image Q56. Which letter has vertical symmetry? (A) H (B) F (C) G (D) R Water Image Q57. Which letter will not change when seen in a horizontal water image? (A) K (B) H (C) P (D) R Paper Folding Q58. A paper is folded twice and one hole is punched through all layers. After unfolding, the number of holes will be: (A) 2 (B) 3 (C) 4 (D) 8
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Embedded Figure	Counting Figure
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Q59. A rectangle is divided by one diagonal from the top-left corner to the bottom-right corner. Which figure is definitely formed inside it? (A) Triangle (B) Circle (C) Pentagon (D) Hexagon	Q60. A rectangle is divided by one diagonal. How many triangles are formed? (A) 1 (B) 2 (C) 3 (D) 4
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Section III – General Awareness : Questions 61–100	
History Q61. Who founded the Maurya Empire? (A) Ashoka (B) Chandragupta Maurya (C) Bindusara (D) Harshavardhana Q62. The Battle of Plassey was fought in: (A) 1757 (B) 1761 (C) 1857 (D) 1773 Q63. Who among the following was known as the "Frontier Gandhi"? (A) Bal Gangadhar Tilak (B) Khan Abdul Ghaffar Khan (C) Bipin Chandra Pal (D) Dadabhai Naoroji Geography Q64. Which is the longest river of South India? (A) Godavari (B) Krishna (C) Kaveri (D) Mahanadi Q65. The Tropic of Cancer passes through how many Indian states? (A) 6 (B) 7 (C) 8 (D) 9	Q66. Which desert is located in India? (A) Sahara (B) Gobi (C) Thar (D) Atacama Indian Polity Q67. Who appoints the Governor of a state? (A) Prime Minister (B) Chief Minister (C) President of India (D) Parliament Q68. Fundamental Duties were added to the Constitution by: (A) 42nd Amendment (B) 44th Amendment (C) 52nd Amendment (D) 61st Amendment Q69. The minimum age to become a member of the Lok Sabha is: (A) 21 years (B) 25 years (C) 30 years (D) 35 years Indian Economy Q70. Which institution issues currency notes in India? (A) SBI (B) NABARD (C) RBI (D) SEBI

Q71. GST stands for:	Static GK Q79. What is the capital of Uttarakhand?
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(A) General Sales Tax (B) Goods and Services Tax (C) Government Service Tax (D) Goods Supply Tax Q72. Which of the following is a direct tax? (A) GST (B) Customs Duty (C) Income Tax (D) Excise Duty Physics Q73. SI unit of force is: (A) Joule (B) Newton (C) Watt (D) Pascal Q74. Speed of light in vacuum is approximately: (A) 3×10^8 m/s (B) 3×10^6 m/s (C) 3×10^4 m/s (D) 3×10^{10} m/s Chemistry Q75. Chemical formula of common salt is: (A) KCl (B) NaCl (C) NaOH (D) HCl Q76. Which gas is essential for respiration? (A) Nitrogen (B) Carbon Dioxide (C) Oxygen (D) Hydrogen Biology Q77. The powerhouse of the cell is: (A) Nucleus (B) Ribosome (C) Mitochondria (D) Lysosome Q78. Which vitamin is produced in the skin by sunlight? (A) Vitamin A (B) Vitamin B12 (C) Vitamin C (D) Vitamin D	(A) Shimla (B) Dehradun (C) Gangtok (D) Dispur Q80. Which is the national aquatic animal of India? (A) Blue Whale (B) Crocodile (C) Ganges River Dolphin (D) Turtle Sports Q81. How many players are there in a hockey team on the field? (A) 9 (B) 10 (C) 11 (D) 12 Q82. The Wimbledon Championship is associated with: (A) Cricket (B) Tennis (C) Football (D) Hockey Awards Q83. India's highest civilian award is: (A) Padma Shri (B) Padma Bhushan (C) Bharat Ratna (D) Padma Vibhushan Q84. Which award is given for excellence in Indian cinema? (A) Arjuna Award (B) Dadasaheb Phalke Award (C) Jnanpith Award (D) Sahitya Akademi Award Books & Authors Q85. Who wrote <i>Discovery of India</i>? (A) Mahatma Gandhi (B) Jawaharlal Nehru (C) Sardar Patel (D) Rajendra Prasad
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Q86. <i>Wings of Fire</i> is the autobiography of: (A) A.P.J. Abdul Kalam (B) Vikram Sarabhai (C) Homi Bhabha (D) Satish Dhawan Important Days Q87. World Environment Day is observed on: (A) 5 June (B) 22 April (C) 16 September (D) 21 March Q88. National Youth Day in India is celebrated on: (A) 12 January (B) 26 January (C) 15 August (D) 2 October Current Affairs Q89. Which country hosted the 2024 Summer Olympics? (A) Japan (B) France (C) Australia (D) China Q90. Which city is known as the headquarters of the European Union? (A) Brussels (B) Paris (C) Berlin (D) Vienna Q91. Who is the current Secretary-General of the United Nations? (A) António Guterres (B) Ban Ki-moon (C) Kofi Annan (D) Boutros Boutros-Ghali Q92. Which Indian mission aims to study the Sun? (A) Chandrayaan-3 (B) Mangalyaan (C) Aditya-L1 (D) Gaganyaan Railway GK Q93. The headquarters of Indian Railways is located in: (A) Mumbai	(B) New Delhi (C) Kolkata (D) Chennai Q94. Indian Railways is operated under: (A) Ministry of Home Affairs (B) Ministry of Road Transport (C) Ministry of Railways (D) Ministry of Commerce Q95. The first passenger train in India ran between: (A) Mumbai and Thane (B) Kolkata and Howrah (C) Delhi and Agra (D) Chennai and Arakkonam Mixed General Awareness Q96. Which planet is known as the Red Planet? (A) Venus (B) Mars (C) Jupiter (D) Mercury Q97. The headquarters of UNESCO is in: (A) Geneva (B) Vienna (C) Paris (D) New York Q98. Which state is known as the "Spice Garden of India"? (A) Tamil Nadu (B) Karnataka (C) Kerala (D) Goa Q99. Who gave the slogan "Jai Jawan Jai Kisan"? (A) Jawaharlal Nehru (B) Lal Bahadur Shastri (C) Indira Gandhi (D) Morarji Desai Q100. Which Indian state has the largest coastline? (A) Andhra Pradesh (B) Tamil Nadu (C) Maharashtra (D) Gujarat
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