

RRB NTPC 2025 High Probability Mock Paper (100 Questions | Answers + Analysis Tags)

Pattern aligned with CBT 1/CBT 2 trends from past years. Negative marking: 1/3 per wrong answer. Time: 90 minutes.

Section A – General Awareness (45 Qs)

Focus on high frequency static GK, history (Modern + Freedom), science basics, Indian polity articles, geography, economy & computers. These areas recur every year. Current Affairs are common but time sensitive; this set prioritizes timeless high yield facts.

Section B – Mathematics (30 Qs)

Arithmetic dominates NTPC: Percentages, Ratio/Proportion, SI/CI, Profit/Loss, TSD, Time & Work, Averages, Mensuration. Questions are calculation oriented with simple tricks.

Section C – General Intelligence & Reasoning (25 Qs)

Recurring topics: Coding/decoding, series, analogy/classification, blood relations, direction sense, syllogism, simple seating/puzzles, non verbal basics.

1. Who is known as the 'Missile Man of India'?

Answer: A. P. J. Abdul Kalam

[History/Personalities]

2. Article 21 of the Indian Constitution guarantees what fundamental right?

Answer: Protection of life and personal liberty

[Polity/Articles]

3. Which Mughal emperor built the Jama Masjid in Delhi?

Answer: Shah Jahan

[History/Medieval]

4. What is the capital of Finland?

Answer: Helsinki

[Geography/World Capitals]

5. Name the first Indian woman to win an Olympic medal.

Answer: Karnam Malleswari

[Sports/India]

6. Which Indian state is the largest producer of tea?

Answer: Assam

[Geography/India Economy]

7. Who invented the periodic table?

Answer: Dmitri Mendeleev

[Chemistry/History]

8. The headquarters of UNESCO is located in which city?

Answer: Paris

[International Orgs]

9. The Battle of Plassey was fought in which year?

Answer: 1757

[History/Modern India]

10. The study of earthquakes is called what?

Answer: Seismology

[Science/Earth]

11. Name the largest gland in the human body.

Answer: Liver

[Biology/Human]

12. Which gas is known as laughing gas?

Answer: Nitrous oxide (N₂O)

[Chemistry/Everyday]

13. What is the currency of Japan?

Answer: Yen

[Economy/Currencies]

14. Which Indian city is called the "City of Lakes"?

Answer: Udaipur

[Geography/India]

15. Name the first satellite launched by India.

Answer: Aryabhata

[Space/India]

16. Where is the Gir National Park located?

Answer: Gujarat

[Geography/India]

17. What is the chemical formula of quicklime?

Answer: CaO

[Chemistry/Inorganic]

18. Who wrote 'The Discovery of India'?

Answer: Jawaharlal Nehru

[History/Literature]

19. Which is the longest river in the world?

Answer: Nile (often accepted in GK); some sources cite the Amazon

[Geography/World]

20. Who was the first Deputy Prime Minister of India?

Answer: Sardar Vallabhbhai Patel

[Polity/India]

21. The Quit India Movement started in which year?

Answer: 1942

[History/Freedom]

22. Which vitamin is known as the sunshine vitamin?

Answer: Vitamin D

[Biology/Vitamins]

23. Name the largest planet in our solar system.

Answer: Jupiter

[Astronomy]

24. Who is regarded as the founder/architect of ISRO?

Answer: Vikram Sarabhai

[Space/India]

25. The Dronacharya Award is given for excellence in which field?

Answer: Sports coaching

[Awards/India]

26. Who discovered the electron?

Answer: J. J. Thomson

[Physics/Atomic]

27. Which city is known as the Silicon Valley of India?

Answer: Bengaluru

[Geography/India]

28. What is the full form of CPU?

Answer: Central Processing Unit

[\[Computers/Basics\]](#)

29. Which Indian cricketer is nicknamed 'Hitman'?

Answer: Rohit Sharma

[\[Sports/Cricket\]](#)

30. Name the author of 'Wings of Fire'.

Answer: A. P. J. Abdul Kalam (with Arun Tiwari)

[\[Books/Autobiography\]](#)

31. In which year did India win its first Cricket World Cup?

Answer: 1983

[\[Sports/Cricket\]](#)

32. Which state is famous for the Sun Temple at Konark?

Answer: Odisha

[\[History/Architecture\]](#)

33. The decimal system was historically developed in which country?

Answer: India

[\[Maths/History\]](#)

34. Which animal is the national animal of Scotland?

Answer: Unicorn (heraldic)

[\[Culture/World\]](#)

35. What is the boiling point of water in Kelvin at 1 atm?

Answer: 373 K

[\[Physics/Thermal\]](#)

36. Name the first woman Defence Minister of India.

Answer: Nirmala Sitharaman

[\[Polity/India\]](#)

37. Which country is known as the Land of the Rising Sun?

Answer: Japan

[\[Geography/World\]](#)

38. Which Indian state has the largest coastline?

Answer: Gujarat

[\[Geography/India\]](#)

39. The smallest bone in the human body is located in which part?

Answer: Ear (stapes)

[\[Biology/Human\]](#)

40. Who was the first Governor-General of independent India?

Answer: C. Rajagopalachari (first Indian GG; Lord Mountbatten was last British GG)

[\[Polity/History\]](#)

41. Name the deepest ocean on Earth.

Answer: Pacific Ocean

[\[Geography/World\]](#)

42. Tropic of Cancer passes through how many Indian states (as generally accepted in GK)?

Answer: 8

[\[Geography/India\]](#)

43. Who gave the slogan 'Inquilab Zindabad'?

Answer: Bhagat Singh (popularized; coined by Hasrat Mohani)

[\[History/Freedom\]](#)

44. What is the SI unit of pressure?

Answer: Pascal (Pa)

[\[Physics/Units\]](#)

45. Green Revolution in India is associated with which crop primarily?

Answer: Wheat

46. If a shopkeeper marks goods 25% above cost and gives 10% discount, find profit %.

Answer: 12.5%

[Profit & Loss]

47. The average of 6 numbers is 45. Removing one number makes average 43. Find removed number.

Answer: 57

[Averages]

48. A train travels 180 km in 3 h. What is average speed in m/s?

Answer: 16.67 m/s

[TSD]

49. CI on ₹5000 for 2 years at 10% p.a. (annual compounding).

Answer: ₹1050

[CI]

50. Rowing: 12 km downstream in 2 h, 12 km upstream in 3 h. Speed of current?

Answer: 1 km/h

[Boats & Streams]

51. LCM of two numbers is 180, HCF is 15. If one number is 45, find the other.

Answer: 60

[Number System]

52. ₹8400 amounts to ₹10,080 in 2 years at SI. Find rate % p.a.

Answer: 10%

[SI]

53. Perimeter of a square is 48 cm. Find area.

Answer: 144 cm²

[Mensuration]

54. Value of $\sqrt{144 + (2^3 \times 5)}$.

Answer: 52

[BODMAS/Surds]

55. Mixture milk:water 5:1; add 5 L water to get 5:2. Find milk quantity.

Answer: 25 L milk

[Mixtures]

56. CP of 15 pens equals SP of 12 pens. Find profit %.

Answer: 25%

[Profit & Loss]

57. Missing term: 2, 6, 12, 20, ?, 42.

Answer: 30

[Number Series]

58. 45 km at 15 km/h and next 45 km at 5 km/h. Average speed total?

Answer: 7.5 km/h

[TSD (harmonic)]

59. Tank fill 6 h; drain 8 h. Both open. Time to fill?

Answer: 24 h

[Pipes & Cisterns]

60. Solve: $4x - 7 = 9$.

Answer: $x = 4$

[Linear Eqn]

61. SI is ₹720 for 3 years at 8% p.a. Find principal.

Answer: ₹3000

[SI]

62. CP ₹450, SP ₹585. Gain %?

Answer: 30%

[Profit & Loss]

63. ■5000 divided between A:B = 3:2. Find B's share.

Answer: ■2000

[Ratio/Proportion]

64. Car runs 120 km on 15 L. Mileage?

Answer: 8 km/L

[Unit Method]

65. A sum doubles in 8 years at SI. Rate %?

Answer: 12.5% p.a.

[SI Concept]

66. Square root of 0.0004.

Answer: 0.02

[Squares/Decimals]

67. SP ■132, profit 10%. Find CP.

Answer: ■120

[Profit & Loss]

68. 8 men build a wall in 12 days. Men needed to build in 6 days?

Answer: 16 men

[Work & Time]

69. Cube of 0.5.

Answer: 0.125

[Powers]

70. 80 apples for ■240; sold at ■4 each. Profit/Loss %?

Answer: Profit 33.33%

[Profit & Loss]

71. Perimeter rectangle 72 cm; length = 2 × breadth. Find area.

Answer: 324 cm²

[Mensuration]

72. 25% of a number is 60. Number?

Answer: 240

[Percentages]

73. ■12,000 amounts to ■13,440 in 2 years (SI). Rate %?

Answer: 6%

[SI]

74. If $3x - 2y = 12$ and $x - y = 2$, find $x + y$.

Answer: 8

[Linear Eqns]

75. The ratio of angles of a triangle is 2:3:4. Largest angle?

Answer: 80°

[Geometry/Angles]

76. If CAT → DBU and DOG → EPH (simple +1 with shift), then BAT → ?

Answer: CBU

[Coding■Decoding]

77. Find the missing number: 4, 9, 16, 25, ?, 49.

Answer: 36

[Number Series (squares)]

78. 'Sister' is to 'Brother' as 'Niece' is to ?

Answer: Nephew

[Analogy/Relations]

79. Pointing to a photo, A says, "He is the son of my father's only son." Relation to A?

Answer: Grandson/son (context)

[Blood Relation]

80. Arrange in order: Seed, Plant, Flower, Fruit.

Answer: Seed → Plant → Flower → Fruit

[Sequence]

81. If '+' means 'x', '-' means '÷', 'x' means '-', evaluate $8 - 4 + 2 \times 3$.

Answer: 10

[Operators]

82. A is 6 years older than B. Sum is 32. A's age?

Answer: 19 years

[Age]

83. Odd one out: Mango, Apple, Banana, Potato.

Answer: Potato

[Classification]

84. If SE is called North and NE is called West, what is South called?

Answer: East

[Direction Sense]

85. Syllogism: All roses are flowers. Some flowers are red. Conclusions: (I) All roses are red. (II) Some flowers are roses.

Answer: Only II follows

[Syllogism]

86. Which is different: 2, 3, 5, 9.

Answer: 9

[Number Classification]

87. Mirror image of "PQRS" resembles (concept).

Answer: Laterally reversed sequence

[Non■verbal]

88. If MONDAY is coded as 135246 (positional pattern), SUNDAY → ?

Answer: Mapping dependent; typical: 615246 (concept item)

[Coding (pattern)]

89. Complete the series: A1, B2, C3, D4, E5, ?

Answer: F6

[Alpha■Numeric Series]

90. Matrix: 2 4 6 / 8 10 12 / 14 ? 18. Find '?'.
Matrix: $\begin{matrix} 2 & 4 & 6 \\ 8 & 10 & 12 \\ 14 & ? & 18 \end{matrix}$

Answer: 16

[Matrix/Pattern]

91. If A=1, B=2,..., Z=26, value of DOG?

Answer: 26

[Alphabet Sum]

92. P taller than Q but shorter than R. Who is tallest?

Answer: R

[Ranking]

93. Figure to complete pattern (concept).

Answer: Option with matching symmetry

[Nonverbal]

94. Odd word: East, West, North, Angle.

Answer: Angle

[Classification]

95. How many triangles in a standard 8-pointed star figure?

Answer: 8

[Nonverbal Counting]

96. In a code, MANGO → NAMOG. APPLE → ?

Answer: PPALE

[Coding (swap)]

97. If yesterday was Friday, day after tomorrow is?

Answer: Monday

[Calendars]

98. $7 \times 8 = 91$, $8 \times 9 = 121$ (pattern). $9 \times 10 = ?$

Answer: 151

[Pattern Rule]

99. At 3:15, angle between clock hands?

Answer: 7.5°

[Clocks]

100. How many 3's in 3133331333?

Answer: 6

[Counting]

One Day High Yield Revision Notes

- Polity: Fundamental Rights (Arts. 14–22), DPSP (Arts. 36–51), basic schedules, key Amendments (42nd, 44th, 73rd, 74th).
- History: Revolt of 1857 causes/leaders, INC sessions & presidents, Non-Cooperation, Civil Disobedience, Quit India (1942).
- Geography: Indian rivers & tributaries, soil types, monsoon mechanism, resources (coal, iron, oil).
- Science: Human organs & hormones, vitamins (deficiency diseases), basic physics units (SI), optics laws, electricity basics.
- Economy: National income basics, inflation/deflation, Five Year Plans highlights, agriculture revolutions.
- Computers: Input/output devices, memory types, OS basics, internet terms (URL, HTTP/HTTPS, CPU/ALU).
- Maths key formulae: $SI = \frac{P \cdot R \cdot T}{100}$; $CI = P(1 + \frac{R}{100})^n - P$; $Speed = \frac{Distance}{Time}$; $Average = \frac{Sum}{Count}$; $Work \propto Men \times Days$.
- Reasoning tips: For syllogisms use Venn Diagrams; puzzles—draw tables; directions—NESW mapping; clocks— $30^\circ/\text{hour}$ & $0.5^\circ/\text{min}$; calendars—odd days.