RRC NR Scouts & Guides Form 2026: Apply Online for 27 Posts

Comprehensive preparation kit for RRC NR Scouts & Guides Quota 2026. Includes 12 high-weightage chapter breakdow...

1. EXAM / NOTIFICATION KEY FACTS & DATES

Post / Course Name	Scouts and Guides Quota (Group C & Group D)
Total Vacancies	27 Posts
Minimum Qualification	10th Pass / 12th Pass / ITI / NAC with Scouting Qualification
Application Start Date	6 Nov 2026
Last Date to Apply	6 Dec 2026
Selection Process	Written Test (CBT) followed by Scouting Skill Assessment & Document Verific...
Exam Mode & Duration	Computer Based Test (CBT), 90 Minutes for 100 Questions
Key Subjects	Mathematics, Reasoning, General Science, General Awareness & Scouting Knowl...
Negative Marking	1/3rd mark deducted for every incorrect answer in written examination

2. 4-STEP SMART PREPARATION PLAN

1. Phase 1: Master foundational Mathematics formulas, General Science concepts, and core Scout & Guide rules.
2. Phase 2: Solve topic-wise Reasoning puzzles and apply quick numerical shortcuts to increase speed.
3. Phase 3: Take full-length 90-minute timed mock tests to manage time and minimize negative marking.
4. Phase 4: Perform final revision of high-yielding periodic table trends, physics laws, current affairs, and scouting history.

3. SAMPLE GOLDEN SHORTCUTS & FORMULAS

* Shortcut 1: Speed conversion: Multiply by 5/18 to change km/h to m/s; multiply by 18/5 to change m/s to km/h.
* Shortcut 2: Two successive discounts of A% and B% equal a single effective discount of (A + B - AB/100)%.
* Shortcut 3: Difference between CI and SI for 2 years is calculated directly as Difference = P * (R/100)^2.
* Shortcut 4: If speed ratio between two objects is a:b, then time taken to cover the same distance is in ratio b:a.

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4. TOP 10 HIGH-WEIGHTAGE SYLLABUS TOPICS (QUICK SUMMARY)

1. Number System & Simplification
Weightage: High (4-6 Qs)

Focus on standard BODMAS order of operations to solve complex mathematical expressions step by step. Learn divisibility rules from 2 to 11 for fast cancellation during calculations. Master recurring decimals conversio...

2. Work & Time / Pipes & Cisterns
Weightage: High (3-4 Qs)

Understand unit work and efficiency concepts thoroughly. Total Work equals Efficiency multiplied by Time. When multiple workers operate together, add their individual efficiencies. For pipes and cisterns, inlet pipes ...

3. Speed, Distance & Time
Weightage: High (3-4 Qs)

Master speed conversion where km/h to m/s requires multiplying by 5/18 and vice-versa by 18/5. Relative speed of objects moving in same direction is difference of speeds, whereas in opposite direction it is sum of spe...

4. Percentage, Profit & Loss
Weightage: High (4-5 Qs)

Learn fraction to percentage conversion tables up to 1/20 for rapid calculations. Profit percentage and Loss percentage are strictly calculated on Cost Price unless specified otherwise. Effective percentage change for...

5. Coding-Decoding & Series
Weightage: High (4-5 Qs)

Memorize positional values of English alphabets forward A=1 to Z=26 and backward Z=1 to A=26 using EJOTY mnemonic. Practice reverse pair letter combinations like A-Z, B-Y, C-X, D-W. Identify numerical series patterns ...

6. Syllogism & Venn Diagrams
Weightage: High (3-4 Qs)

Draw standard minimum-overlapping Venn diagrams for given statements. Differentiate between definite conclusions and possibility statements. Understand statements like 'All A are B', 'Some A are B', 'No A is B', and '...

7. Physics: Mechanics, Work & Energy
Weightage: High (4-5 Qs)

Understand Newton's three laws of motion and momentum conservation formula P = m*v. Work done W = F*d*cos(theta), which becomes zero when force and displacement are perpendicular. Kinetic Energy KE = 0.5*m*v^2 and Pot...

8. Chemistry: Periodic Table & Chemical Reactions
Weightage: High (4-5 Qs)

Modern Periodic Table designed by Henry Moseley arranges elements by atomic number. Memorize periodic trends: Atomic radius increases down a group and decreases across a period; Ionization energy and Electronegativity...

9. Biology: Human Body Systems & Nutrition
Weightage: High (4-5 Qs)

Focus on human digestive system enzymes like pepsin, trypsin, and amylase. Study circulatory system including heart chambers, blood components, double circulation, and blood groups. Differentiate water-soluble vitamin...

10. Scouting & Guiding Movement History
Weightage: High (3-5 Qs)

Learn origins of Scouting founded by Robert Baden-Powell in 1907 at Brownsea Island camp. Bharat Scouts and Guides (BSG) was formally established on 7th November 1950 through amalgamation of existing associations. Rem...

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5. 10 SAMPLE EXAM-STYLE PRACTICE MCQS (WITH ANSWERS)

Q1. If a train 150 meters long passes a telegraph pole in 9 seconds, what is the speed of the train in km/h?
(A) 50 km/h (B) 60 km/h (C) 72 km/h (D) 54 km/h
Ans: (B) | Speed = Distance / Time = 150 m / 9 s = 50/3 m/s. Convert to km/h: (50/3) * (18/5) = 60 km/h.

Q2. A and B can complete a piece of work in 12 days and 18 days respectively. In how many days can they complete it together?
(A) 7.2 days (B) 8 days (C) 7.5 days (D) 6.8 days
Ans: (A) | Using formula (x * y) / (x + y) = (12 * 18) / (12 + 18) = 216 / 30 = 7.2 days.

Q3. What will be the single equivalent discount for two successive discounts of 20% and 10%?
(A) 30% (B) 28% (C) 25% (D) 27%
Ans: (B) | Effective Discount = A + B - (A*B)/100 = 20 + 10 - (20*10)/100 = 30 - 2 = 28%.

Q4. Find the difference between compound interest and simple interest on Rs 5000 at 10% per annum for 2 years.
(A) Rs 40 (B) Rs 60 (C) Rs 50 (D) Rs 25
Ans: (C) | Difference = P * (R/100)^2 = 5000 * (10/100)^2 = 5000 * 1/100 = Rs 50.

Q5. If the sum of three consecutive numbers is 75, find the square of the middle number.
(A) 625 (B) 576 (C) 676 (D) 729
Ans: (A) | Middle number = Total Sum / 3 = 75 / 3 = 25. Square of middle number = 25^2 = 625.

Q6. In a certain code language, 'PENCIL' is written as 'QFODJM'. How is 'PAPER' written in that code?
(A) QBQFS (B) QBQFR (C) QBPFQ (D) QAPFS
Ans: (A) | Each letter is shifted by +1 forward position: P+1=Q, A+1=B, P+1=Q, E+1=F, R+1=S. Result: QBQFS.

Q7. In a row of students, Rahul is 14th from the left and 18th from the right. How many total students are in the row?
(A) 32 (B) 31 (C) 30 (D) 33
Ans: (B) | Total students = (Left Position + Right Position) - 1 = (14 + 18) - 1 = 32 - 1 = 31.

Q8. Find the angle between the hour hand and minute hand of a clock at 3:40.
(A) 130 degrees (B) 140 degrees (C) 125 degrees (D) 135 degrees
Ans: (A) | Angle = |30*H - 5.5*M| = |30*3 - 5.5*40| = |90 - 220| = |-130| = 130 degrees.

Q9. Point A is to the North of B, and C is to the East of B. In which direction is Point A with respect to C?
(A) North-East (B) North-West (C) South-West (D) South-East
Ans: (B) | B is the origin. A is North (0,1), C is East (1,0). From C, A lies in the North-West direction.

Q10. Identify the odd one out from the given options: 27, 64, 125, 144.
(A) 27 (B) 64 (C) 125 (D) 144
Ans: (D) | 27 = 3^3, 64 = 4^3, 125 = 5^3 are perfect cubes. 144 = 12^2 is a perfect square, not a cube.

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