

RMS CLASS 6 SYLLABUS

Rashtriya Military School Common Entrance Test

Complete Subject-wise Syllabus | Exam Pattern | Preparation Guide

Prepared by Prashant Singh | Young Star Defence Academy, Amritsar

What is RMS CET?	Who Can Apply?	Exam Mode
Rashtriya Military School Common Entrance Test — national-level exam for admission to 5 RMS schools across India.	Boys aged 10–12 years (as on 1st July of admission year). Currently in Class 4 or Class 5.	Offline (OMR-based). Multiple Choice Questions. 200 Questions. 200 Marks. 2.5 Hours.

EXAM PATTERN — RMS Class 6 CET

Subject	Questions	Marks	Type
Mathematics	50	50	MCQ
English	50	50	MCQ
Intelligence Test	50	50	MCQ
General Knowledge & Current Affairs	50	50	MCQ
TOTAL	200	200	—

Duration: 2 Hours 30 Minutes | Mode: Offline OMR | Negative Marking: None | Medium: English

SUBJECT 1: MATHEMATICS SYLLABUS

Number System

- Natural Numbers and Whole Numbers
- Place Value and Face Value of digits
- Roman Numerals (up to 1000)
- Factors, Multiples, Prime & Composite Numbers
- HCF and LCM (prime factorisation & division method)

Arithmetic

- Addition, Subtraction, Multiplication, Division
- BODMAS (order of operations)
- Fractions — types, operations, comparison
- Decimals — operations, conversion
- Percentage, Average, Ratio & Proportion
- Profit & Loss, Unitary Method

Measurement

- Length (mm, cm, m, km), Weight (mg, g, kg)
- Capacity (ml, litres), Temperature (Celsius)
- Time (12-hr/24-hr clocks, elapsed time)
- Calendar — days, months, leap year

Geometry

- Point, Line, Line Segment, Ray, Angle types
- Triangles (sides & angles classification)
- Circles — radius, diameter, chord
- 2D shapes (square, rectangle, parallelogram)
- 3D shapes — faces, edges, vertices

Mensuration

- Perimeter of square, rectangle, triangle
- Area of square, rectangle, triangle
- Volume of cube and cuboid (basic concept)

Data Handling

- Reading & drawing tables, bar graphs, pictographs
- Data interpretation — answering questions from data

Important Topics by Priority

Topic	Expected Questions	Priority
Arithmetic (Fractions, Decimals, %)	12–15	Very High
Number System (HCF, LCM, Primes)	8–10	High
Ratio, Proportion, Profit & Loss	6–8	High
Mensuration (Perimeter & Area)	5–7	Medium-High
Geometry	4–6	Medium
Measurement & Time	4–5	Medium
Data Handling	3–5	Medium

SUBJECT 2: ENGLISH SYLLABUS

Grammar — Parts of Speech

- Nouns (common, proper, abstract, collective)
- Pronouns (personal, possessive, reflexive)
- Verbs (action, helping, main; transitive & intransitive)
- Adjectives — types and degrees of comparison
- Adverbs — time, place, manner, frequency
- Articles (a, an, the) — rules of usage
- Prepositions and Conjunctions

Grammar — Tenses & Agreement

- Simple, Continuous, Perfect forms (Present, Past, Future)
- Subject-Verb Agreement (singular/plural, special cases)
- Active & Passive Voice (basic level)
- Direct & Indirect Speech (basic level)
- Punctuation rules

Vocabulary

- Synonyms and Antonyms
- Spellings (identifying correct spellings)
- One Word Substitution
- Idioms and Phrases
- Word Meanings in Context

Reading Comprehension

- Unseen passages (100–150 words)
- Questions on main idea, specific details, inference
- Vocabulary questions from passage context

Sentence Skills

- Sentence Formation and Rearrangement (jumbled words)
- Error Detection in sentences
- Fill in the Blanks (articles, prepositions, tenses)

SUBJECT 3: INTELLIGENCE TEST SYLLABUS

Verbal Reasoning

- Analogy — identifying word relationships
- Classification / Odd One Out
- Number Series and Letter Series
- Coding-Decoding
- Blood Relations
- Ranking and Arrangement
- Direction Sense (N/S/E/W movement problems)

Non-Verbal Reasoning

- Mirror Images
- Figure Completion
- Embedded Figures
- Pattern Recognition and Next-in-Series figures
- Paper Folding and Cutting
- Counting Figures (triangles, squares in complex diagrams)

Logical Reasoning

- Mathematical Operations with replaced symbols
- Venn Diagrams
- Logical Sequences and Puzzles
- Seating Arrangement (basic level)

Topic-wise Difficulty & Weightage

Topic	Difficulty	Weightage
Series (Number/Letter)	Easy–Medium	High
Analogy	Easy–Medium	High
Coding-Decoding	Medium	High
Non-Verbal (Mirror/Pattern)	Medium–High	High
Direction Sense	Medium	Medium
Blood Relations	Medium	Medium
Classification	Easy	Medium
Mathematical Operations	Medium–High	Medium
Embedded Figures	High	Low–Medium

SUBJECT 4: GENERAL KNOWLEDGE & CURRENT AFFAIRS

Indian History

- Ancient India — Indus Valley, Vedic, Mauryan, Gupta periods
- Medieval India — Delhi Sultanate, Mughal, Maratha empires
- Modern India — British rule, freedom struggle, key leaders
- Important battles, treaties, and historical dates

Indian & World Geography

- Rivers, mountains, plains, deserts, plateaus of India
- States & capitals, Union Territories
- India's neighbours and their capitals
- World continents, oceans, and key geographical facts

Indian Polity & Civics

- Constitution — Preamble, Fundamental Rights & Duties
- Government structure — President, PM, Parliament, Judiciary
- National symbols — flag, emblem, anthem, animal, bird, flower, tree

Science & Environment

- Human body, plants, animals, food chains (Biology)
- Light, sound, force, simple machines (Physics)
- Solar system, planets, satellites (Astronomy)
- Environment, pollution, conservation; Famous scientists and inventions

Sports

- National and international sports awards (Arjuna, Khel Ratna)
- Indian achievements at Olympics, CWG, Asian Games
- Famous Indian sportspersons; national sports of countries

Defence Awareness

- Indian Army, Navy, Air Force — ranks, roles, facts
- DRDO, HAL, BRO — defence organisations
- Military honours: Param Vir Chakra, Maha Vir Chakra, Vir Chakra
- Rashtriya Military Schools — history, locations, alumni
- NDA, IMA, OTA — roles and significance

Current Affairs (Last 6–12 Months)

- Government schemes and policy launches
- International summits, agreements, major elections
- Space missions and technology launches
- Sports news — recent major achievements
- Nobel Prize, Bharat Ratna, Padma Awards

Important Days & National Symbols

- National and international days with dates
- UNESCO World Heritage Sites in India
- Awards and honours — civilian and military

PREPARATION TIPS & 3-MONTH STUDY PLAN

3-Month Preparation Roadmap

Month	Focus	Goal
Month 1	Concept Building	Complete NCERT Class 5 Maths & English. Begin static GK notes. Start basic verbal reasoning.
Month 2	Topic Mastery + Practice	Solve topic-wise question banks. Complete non-verbal reasoning. Begin current affairs. Daily vocabulary.
Month 3	Revision + Mock Tests	Full-length mock tests weekly. Revise formulas & GK notes. Speed improvement. Weak area focus.

Subject-wise Key Tips

- **Mathematics:** Learn tables up to 20, squares up to 25. Make a formula chart. Practice 30 sums daily.
- **English:** Note 5 new vocabulary words daily. Read NCERT Class 5 English fully. Practice 1–2 comprehension passages weekly.
- **Intelligence Test:** Train with Olympiad-level reasoning books. Review every wrong answer to understand the logic pattern.
- **General Knowledge:** Read a monthly current affairs booklet. Use Lucent's GK for static content. Focus on defence awareness.
- **Exam Day:** No negative marking — attempt ALL 200 questions. Allocate approx. 37 mins per subject.

Common Mistakes to Avoid

- Ignoring the Intelligence Test — it carries 50 equal marks and needs daily dedicated practice
- Starting preparation less than 3 months before the exam
- Not taking full-length timed mock tests regularly
- Skipping current affairs and focusing only on static GK

- Leaving any question blank (no negative marking — always attempt all)
- Over-focusing on one subject while neglecting others
- Not revising formulas and GK facts regularly

RECOMMENDED BOOKS FOR RMS CLASS 6

Book / Resource	Subject	Best For
NCERT Mathematics Class 5	Mathematics	Core concept building
NCERT English Class 5 (Marigold)	English	Grammar & reading foundation
Arihant RMS Entrance Exam Guide	All Subjects	Complete exam-style preparation
Mental Ability for Olympiads (MTG/Arihant)	Intelligence	Reasoning & non-verbal practice
Lucent's General Knowledge	GK (Static)	History, Geography, Polity
Pratiyogita Darpan / Current Affairs Booklet	Current Affairs	Monthly updates
RMS Previous Year Question Papers	All Subjects	Pattern familiarisation & speed
Wren & Martin English Grammar	English Grammar	Advanced grammar practice

Join Young Star Defence Academy for Expert RMS Coaching

Structured Classroom Coaching | Online Classes | Mock Tests | Study Material | Hostel Facility

Amritsar | Chandigarh | Kapurthala

Call / WhatsApp: +91 81013 13136 | youngstardefenceacademy.com

This syllabus guide is prepared by Prashant Singh, Founder — Young Star Defence Academy. For the latest official RMS notification, always refer to the Ministry of Defence / Rashtriya Military Schools official website.