



TRISHUL DEFENCE ACADEMY
AISSEE
Sainik School

EXAM PATTERN AND SYLLABUS
DURATION OF EXAMINATION:

Exam for admission to	Duration	From	To
IX Std	180 minutes	02:00 pm	05:00pm

SCHEME OF EXAMINATION

Mode of Examination: Paper pencil on OMR answer sheets for admission to Class IX.

Section	Topic	No. of Questions	Marks for each Correct answer	Total marks
A	Mathematics	50	4	200
B	Intelligence	25	2	50
C	English	25	2	50
D	General Science	25	2	50
E	Social Science	25	2	50
	TOTAL	150		400

Mathematics Syllabus:

1. Squares and square roots of large numbers
2. Rational Exponents and radicals including negative powers
3. Cubes and Cube roots
4. Compound Interest
5. Division of Polynomials
6. Profit & loss and discount with percentages
7. Algebraic Identities
8. Factorization of Algebraic Expressions
9. Parallel lines and its properties
10. Circle
11. Quadrilaterals
12. Linear equations in one variable including word problems
13. Perimeter and areas of triangle
14. Circumference of Circle
15. Areas of Plane Figures: Triangle, Quadrilaterals, Circle
16. Statistics
17. Surface areas and volumes of the cube, cone, cylinder, cuboid, sphere and hemisphere, etc

Intelligence

1. Pattern (spatial and mathematical)
2. Analogies (mathematics and verbal)
3. Classification, logical reasoning and visuals, and more.

English:

1. Tenses
2. Letter Writing: Formal and Informal
3. Comprehension/ Paragraph/ Passage Writing (150 words); Constructing a story from the outlines
4. Comprehension Passage
5. Types of Sentences
6. Antonyms and Synonyms
7. Spelling
8. Clauses
9. Sentence Types
10. Spotting Errors
11. Reported Speech
12. Active and Passive Voice
13. Prepositions
14. One Word Substitutes
15. Adjective Forms
16. Adverb Forms
17. Comparative and Superlative Degrees
18. Question Tags and forming sentences with words, etc.

Science Syllabus

1. Air
2. Soil
3. The Universe
4. Structure of Atom
5. Carbon
6. Transformation of Substances
7. Micro-Organisms
8. Metals and Non-Metals
9. Cell Structure of Function
10. Common Diseases
11. Refraction of light
12. Food Production and Management – Basic Practices
13. Source of Energy
14. Electricity and Magnetism

Social Studies Syllabus:

History:

1. Modern History of India and World History.
2. India in the 18th Century
3. The Rise and growth of British Rule in India
4. Policies and Impact of British Rule
5. Administrative Structure
6. Revolt Against British Rule
7. Changes in Economic Life
8. British Policies and administration in India After 1857
9. Religion and Social Reform movement
10. Struggle for Swaraj
11. Cultural Awakening
12. Achievements of Independence
13. Nationalist Movement from 1923 to 1939, etc.

Geography:

1. Resources, Types and developments

2. Agriculture
3. Human Resources
4. World Geography
5. Indian Geography
6. Natural Resources – Land, Water, Soil, Minerals, Energy, Plants and wildlife.
7. Manufacturing Industries, etc.

Civics:

1. About United Nations
2. Natural Disasters – Earthquake, Cyclone, Volcanoes, Floods
3. Environmental Degradation
4. Development Issues
5. Globalization
6. United Nations – International Agencies
7. Human Rights
8. India and the United Nations
9. Foreign Policy of India
10. India and its Neighbors.

