



TRISHUL DEFENCE ACADEMY
AISSEE
Sainik School
Exam patter and syllabus

DURATION OF EXAMINATION:

Exam for admission to	Duration	From	To
VI Std	150 minutes	02:00 pm	04:30 pm

SCHEME OF EXAMINATION

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

For VI Std (Based on topics listed in Appendix-II)

Section	Topic	No. of Questions	Marks for each Correct answer	Total marks
A	Language	25	2	50
B	Mathematics	50	3	150
C	Intelligence	25	2	50
D	General Knowledge	25	5	50
	TOTAL	125		300

English

- | | |
|------------------------------------|----------------------|
| 1. Comprehension Passage | 13. Vocabulary |
| 2. Tense Forms | 14. Correct Spelling |
| 3. Ordering of words in a sentence | 15. Adjectives |
| 4. Singular / Plural | 16. Gender |
| 5. Preposition | 17. Verbs and Type |
| 6. Kinds of Nouns | 18. Question Tags |
| 7. Sentence Formation | 19. Interjection |
| 8. Rhyming Words | 20. Number |
| 9. Article | 21. Confusing Words |
| 10. Kinds of Pronouns | 22. Type of Sentence |
| 11. Antonyms & Synonyms | 23. Idiom & Phrases |
| 12. Adverbs | 24. Collective Nouns |

- Composition/ Paragraph Writing
- Comprehension Passages
- Make Meaningful Sentences from Jumbled Words
- Spelling
- Singular and Plural Forms
- Affirmative and Interrogative
- Antonyms and Synonyms
- Homonyms
- Prepositions
- One-Word Answers/ Fill in the Blanks
- Articles
- Framing Questions
- Sentence Types (Interrogative, Positive, Negative, Exclamatory)
- Constructing Sentences with Words, etc

Mathematics

1. **Number System:** (Place Value and Face Value of Numbers, Comparison of Numbers, Writing Greatest and Smallest numbers, rounding off numbers, Fundamental Operations of numbers including BODMAS rule, Number Patterns and Series, LCM and HCF, Prime Factorisation, Squares and square roots, etc.)
2. **Fractional and Decimals:** (Simplifications, Fundamental Operations Including BODMAS Rule, Lowest form and equivalent fractions, comparisons, squares and square roots, Conversion of fractions to decimals or percentages and vice versa, applications including word problems, etc.)
3. **Commercial Mathematics:** (Time and work, Ration and Proportion, unitary method, percentages, profit and loss including percentages, simple interest, arithmetic mean, degree Fahrenheit, preparation of cash bills, time and distance including conversion of units, measurement of temperature in degree Celsius, etc.)
4. **Mensuration:** (Conversion of Units of Area and Volume, Perimeter and areas and triangle – rectangle – square including given diagrams, circumference and the area of Circle, volumes of solids such as cube and cuboid, etc.)
5. **Geometry:** (Basic Geometry concepts such as line, point, line segment, ray, etc., triangles, classification of angles, Circle and its parts, quadrilaterals and polygons, interior and exterior of given figures, quadrilaterals, angle sum property of triangles, angles, triangles, circles, construction of line segments, etc.)

AISSEE 2024 Mathematics Topics Name

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|---------------------------------|--|
| 1. Natural Numbers | 14. Temperature |
| 2. Percentage | 15. Decimal Numbers |
| 3. Circle | 16. Profit & Loss |
| 4. HCF & LCM | 17. Conversion of Units |
| 5. Area and Perimeter | 18. Speed & time |
| 6. The volume of Cube & Cuboids | 19. Simplification |
| 7. Unitary Method | 20. Roman numerals |
| 8. Simple Interest | 21. Operation on Numbers |
| 9. Prime & Composite Numbers | 22. Average |
| 10. Fractions | 23. Type of Angles |
| 11. Lines and Angles | 24. Complementary & Supplementary Angles |
| 12. Plane Figures | 25. Arranging of Fractions |
| 13. Ratio and Proportion | |

General Knowledge

1. Different Types of Scientific Devices Used in Daily Life.
2. Concepts on Mountain Terrain and Lifestyle
3. Icons and Symbols of India: National Insignia, National Emblem, Sports, Animal etc. (Elementary awareness of such symbols)
4. Historical Monuments
5. Major Religions of India (Elementary awareness about the founder, place of origin, religious books and important ideas)
6. The shape of the Earth and Gravitation (Basic concepts)
7. Art and Culture (Music, Classical and Folk Dance); Renowned Personalities, Instrumental and Vocal Music, Major Dance Forms
8. Non-Renewable Energy Sources (Fossil Fuels)
9. Defence (Equivalent Ranks in three services, Weapons, Aircraft, Missiles & Warships (Elementary awareness))
10. Food, Culture, Habitat, Languages etc., of various regions (Basic concepts)
11. Sports and Games (India & World). Renowned personalities, major competitions and trophies associated with multiple games
12. Names of young ones of different animals
13. Super Senses (How do plants and animals sense their surroundings)

14. Functions of Body Parts of Plants and Animals
15. Relationship between Animals and Human Beings
16. International Organizations: Basic knowledge about the structure, functioning and objectives of the United Nations, World Bank etc
17. Taste and Digestion (Basic concepts) Indian Literary and Cultural Personalities: Names and fields of achievements
18. Cooking and Preserving Techniques Indian Literary and Cultural Awards. (Names of the awards and recent recipients)
19. Germination and Seed Dispersal
20. Natural Calamities (Flood and Earthquake)
21. Traditional Water Harvesting Techniques
22. Evaporation, Condensation and Water Cycle (Basic concepts)
23. Water Pollution and Microbial Diseases
24. Life of Farmers (Farming techniques)
25. Experiment with water in Everyday Life
26. Tribal Communities and Forest Produce

(GK) – Science Syllabus

1. Living Things
2. Characteristics of Living Things
3. Plants and Animals
4. Interdependence of living and non-living things
5. Human body
6. Food
7. Rocks and Minerals
8. Diseases
9. Air, Water and Weather
10. Natural satellite
11. Simple machines
12. Environment
13. Natural calamities, etc.

(GK) – Social Studies Syllabus

1. Maps Planets
2. Solar System
3. Satellites
4. Continents
5. Oceans
6. Motion of Earth
7. Latitudes and Longitudes
8. Climate.
9. Freedom Fighters and great reformers
10. Our freedom struggle.
11. Structure of Government
12. Fundamental rights and duties
13. United Nation and its functions.

Intelligence Test

1. Analogy
2. Classification
3. Series
4. Coding – Decoding
5. Alphabetical Order of Words
6. Ranking Test
7. Mathematical Operations
8. Blood Relations
9. Direction Sense Test
10. Logical Venn Diagram
11. Clock and Calendar
12. Sitting Arrangement
13. Non – Verbal Intelligence