CHAPTER-2

SCHEME OF EXAMINATION

2.1 Purpose of the Examination

SHRESHTA (NETS) – 2027 is conducted for SC & DNTs (not covered under SCs, STs & OBCs) boys and girls to get admission to the best private residential schools in the country under the Residential Education for Students in High Schools in Targeted Areas, for admission to Class IX and Class XI.

2.2 Mode of Examination

SHRESHTA (NETS) – 2027 will be conducted in Pen and Paper Mode (Offline).

2.3 Question Paper

The examination will comprise one question paper comprising multiple choice questions (MCQs) having four sections:

- Mathematics
- Science
- Social Science
- General Awareness/Knowledge

2.4 Medium of Question Paper

The medium of the Question Paper will be Hindi and English (Bilingual) for Class IX and XI both. In case of any ambiguity in translation of any question, English version shall be treated as final.

2.5 Pattern of Examination for admission in Class IX and XI

Subject wise distribution of Questions, Total Number of Questions and Marks	Subject	No. of Questions (MCQs)	Marks (4 marks for each question)
	Mathematics	25	**100**
	Science	25	**100**
	Social Science	25	**100**
	General Awareness/Knowledge	25	**100**
	Total	**100**	**400**

Marking Scheme for MCQs	Correct Answer or the Most Appropriate Answer	Four marks (+4)
	Incorrect Answer	No mark (0)
	Unanswered Questions	
	No Negative marking for incorrect answers or unanswered questions	

2.6. Method of resolving ties

In case the total marks scored by two or more candidates are equal, the merit shall be determined as follows:

2.6.1. In case there is a tie with regard to overall marks, the marks for individual subjects/ factors will be considered in the following order of priority: -

Priority in Tie Breaker	Criteria
1	Mathematics
2	Science
3	Social Science
4	General Awareness/Knowledge
5	Older Age

7. Syllabus of Examination

The question paper will be based on the NCERT syllabus:

- The Syllabus is as prescribed by the MoSJ&E. The SHRESHTA Entrance Examination is designed to assess the candidate's academic aptitude and suitability for admission in Class IX and XI.

- NCERT Class VIII syllabus for admission to Class IX; The Syllabus/Topics dealt till Class VIII will be covered for admission in Class IX.

- NCERT Class X syllabus for admission to Class XI; The Syllabus/Topics dealt till Class X will be covered for admission in Class XI.

- The syllabus is aligned with the learning standards of Classes VIII and X and the broader topics are detailed as under: -

BROADER TOPICS COVERED FOR ADMISSION IN CLASS IX: MATHEMATICS

Total Question-25 **Max Marks-100**

Sr. No.	Topic	Sr. No.	Topic
1.	Rational Numbers	18.	Euler's Formula
2.	Linear Equations in One Variable	19.	Mensuration
3.	Understanding Quadrilaterals	20.	Area and Perimeters
4.	Triangle and its properties	21.	Volume and Surface Area
5.	Angle sum property	22.	Exponents and Powers
6.	Pythagoras Theorem	23.	Direct and Inverse Proportion
7.	Squares and Square Roots	24.	Factorization
8.	Cubes and Cube Roots	25.	Data Handling
9.	Comparing Quantities	26.	Bar Graph
10.	Percentage	27.	Line Graph
11.	Profit and Loss	28.	Playing with Numbers
12.	Simple Interest	29.	Divisibility Test
13.	Compound Interest	30.	Statistics
14.	Discount	31.	Mean, Mode, Median of Raw Data
15.	Algebraic Expressions	32.	Probability
16.	Visualizing Solid Shapes	33.	Parallels lines
17.	View of 2D and 3D Shapes	34.	Time and Work

BROADER TOPICS COVERED FOR ADMISSION IN CLASS IX: SCIENCE

Total Question-25 **Max Marks-100**

Sr. No	Topics	Sr. No	Topics	Sr. No	Topics
1.	Fossil Fuel: Coal and Petroleum	10.	Chemical Effects of Electric Current	19.	Cropping Seasons
2.	Combustion and Flame	11.	Stars and Solar Systems	20.	Agricultural Practices
3.	Cell Structure and Function	12.	Pollution of Air and Water	21.	Conservation of Plants and Animals
4.	Reproduction in Plants And Animals	13.	Global Warming	22.	Biosphere Reserves, National Parks and Sanctuaries
5.	Force, Friction and Pressure	14.	Micro-Organisms	23.	Reaching the age of Adolescence
6.	Sound and its basics	15.	Some Natural Phenomenon	24.	Changes during Puberty
7.	Reflection and Dispersion of Light	16.	How to find calorific value of fuel?	25.	Endocrine Glands and Hormones
8.	Metals and Non Metals	17.	Electroplating and Artificial Jewelry		
9.	Synthetic Fibers and Plastics	18.	Relation between types of friction.		

BROADER TOPICS COVERED FOR ADMISSION CLASS IN IX: SOCIAL SCIENCE

Total Question-25 **Max Marks-100**

Sr. No	Topics	Sr. No	Topics
1.	Geographical Diversity of India	13.	Understanding Market
2.	Resource and their Conservation	14.	Economic Activity around us
3.	Weather and Climate	15.	The Beginning of Indian Civilization
4.	Land form and Life	16.	India's Cultural Root
5.	Locating places on the Earth	17.	New Beginnings City and States
6.	Ocean and Continents	18.	The rise of Empire
7.	From the Rulers to the Ruled: Type of Government	19.	The Age of Reorganization
8.	The Constitution of India	20.	The Gupta Era: An age of Tireless creativity
9.	Universal Franchise and India's Electoral System	21.	Reshaping India's Political Map
10.	The Parliament System: Legislature and Executive	22.	The Rise of Marathas
11.	Grassroot Democracy: Local & Self Government	23.	The Colonial Era in India
12.	From Barter to Money		

BROADER TOPICS COVERED FOR ADMISSION IN CLASS IX:
GENERAL AWARENESS/ KNOWLEDGE

Total Question-25 **Max Marks-100**

Sr. No.	Topic	Sr. No.	Topics
1.	National Symbols of India	20.	Sports and Games (India & World). Renowned personalities, major competitions and trophies associated with various games
2.	Application of Science in daily life.	21.	Relationship between Animals and Human Beings
3.	Major inventions and Nobel prizes	22.	Taste and Digestion (Basic concepts)
4.	Icons and Symbols of India: National Insignia, National Emblem, Sport, Bird, Animal etc. (Elementary awareness of such symbols)	23.	Cooking and Preserving Techniques
5.	States of India: Capitals, languages, climatic conditions, lifestyle, culture and heritage.	24.	Germination and Seed Dispersal
6.	Renowned personalities in the fields of art, music, dance, sports, literature, etc.	25.	Experiment with Water on Everyday Life
7.	Major Religions of India (Elementary awareness about founder, place of origin, religious books and important ideas)	26.	Water Pollution and Microbial Diseases
8.	Defence: Equivalent Ranks in three services, Weapons, Aircraft, Missiles & Warships (Elementary awareness)	27.	Concepts on Mountain Terrain and Lifestyle
9.	Traditional Water Harvesting Techniques	28.	Shape of Earth and Gravitation (Basic concepts)
10.	Conservation of Nature	29.	Non-Renewable Energy Sources (Fossil Fuels)
11.	Solar System and Our Earth	30.	Food, Culture, Habitat, Languages etc of various regions (Basic concepts)
12.	Environmental Issues – Ozone depletion, Pollution etc.	31.	Names of young ones of different animals
13.	Historical Monuments of India	32.	Functions of Body Parts of Plants and Animals
14.	International Organizations: Basic knowledge about structure, functioning and objectives of United Nations, World Bank etc.	33.	Indian Literary and Cultural Personalities: Names and fields of achievements.
15.	Natural Calamities: Floods, earthquakes, tsunamis, cyclones, etc.	34.	Indian Literary and Cultural Awards. (Names of the award sand recent recipients)
16.	Famous Books and Authors	35.	Evaporation, Condensation and Water Cycle (Basic concepts)
17.	Current Affairs	36.	Life of Farmers (Farming techniques)
18.	Different Types of Scientific Devices Used in Daily Life.	37.	Tribal Communities and Forest Produce
19.	Art and Culture (Music, Classical and Folk Dance); Renowned Personalities, Instrumental and Vocal Music, Major Dance Forms		

BROADER TOPICS COVERED FOR ADMISSION IN CLASS XI: MATHEMATICS

Total Question-25 **Max Marks-100**

Sr. No.	Topic	Sr. No.	Topics
1.	Real Numbers	14.	Trigonometry
2.	Fundamental Theorem of Arithmetic	15.	Trigonometric Ratios
3.	Irrational numbers	16.	Trigonometric identities
4.	Polynomials	17.	Height and Distance
5.	Linear, quadratic and cubic polynomials	18.	Circles
6.	Pair of Linear Equations in Two Variables	19.	Areas Related to Circles
7.	Quadratic Equations	20.	Tangent to a Circle
8.	Arithmetic Progressions	21.	Surface Areas and Volumes
9.	Triangles	22.	Surface areas of combination of Solids
10.	Similarty of Triangles	23.	Volume of combination of Solids
11.	Coordinate Geometry	24.	Statistics
12.	Distance Formula	25.	Mean, Mode and Median of Grouped Data
13.	Section Formula	26.	Probability

BROADER TOPICS COVERED FOR ADMISSION IN CLASS XI: SCIENCE

Total Question-25 **Max Marks-100**

Sr. No	Topics	Sr. No	Topics
1.	Chemical Reactions and Equations	8.	Control and Coordination
2.	Acids, Bases and Salts	9.	Electricity
3.	Metals and Non-metals	10.	How do Organisms Reproduce?
4.	The Human Eye and the Colorful World	11.	Heredity
5.	Our Environment	12.	Light – Reflection and Refraction
6.	Carbon and its Compounds	13.	Magnetic Effects of Electric Current
7.	Life Processes		

BROADER TOPICS COVERED FOR ADMISSION IN CLASS XI: SOCIAL SCIENCE

Total Question-25 **Max Marks-100**

Sr. No	Topics	Sr. No	Topics
1.	Resources and Development	12.	Nationalism in India
2.	Forest and Wildlife Resources	13.	The Rise of Nationalism in Europe
3.	Water Resources	14.	The Making of a Global World
4.	Agriculture	15.	The Age of Industrialisation
5.	Minerals and Energy Resources	16.	Print Culture and the modern word
6.	Manufacturing Industries	17.	Power-sharing
7.	Lifelines of National Economy	18.	Federalism
8.	Understanding Economic Development	19.	Gender, Religion and Caste
9.	Sectors of the Indian Economy	20.	Political Parties
10.	Money And Credit	21.	Outcomes of Democracy
11.	Globalization and the Indian Economy		

BROADER TOPICS COVERED FOR ADMISSION IN CLASS XI:
GENERAL AWARENESS/ KNOWLEDGE

Total Question-25 **Max Marks-100**

Sr. No.	Topics	Sr. No.	Topics
1.	National Symbols of India	18.	Sports and Games (India & World). Renowned personalities, major competitions and trophies associated With various games
2.	Application of Science in daily life.	19.	Relationship between Animals and Human Beings
3.	Major inventions and Nobel prizes	20.	Taste and Digestion (Basic concepts)
4.	Icons and Symbols of India: National Insignia, National Emblem, Sport, Bird, Animal etc. (Elementary awareness of such symbols)	21.	Cooking and Preserving Techniques
5.	States of India: Capitals, languages, climatic conditions, lifestyle, culture and heritage.	22.	Germination and Seed Dispersal
6.	Renowned personalities in the fields of art, music, dance, sports, literature, etc.	23.	Experiment with Water on Everyday Life
7.	Major Religions of India (Elementary awareness about founder, place of origin, religious books and important ideas)	24.	Water Pollution and Microbial Diseases
8.	Defence: Equivalent Ranks in three services, Weapons, Aircraft, Missiles & Warships (Elementary awareness)	25.	Concepts on Mountain Terrain and Lifestyle
9.	Traditional Water Harvesting Techniques	26.	Shape of Earth and Gravitation (Basic concepts)
10.	Conservation of Nature	27.	Non-Renewable Energy Sources (Fossil Fuels)
11.	Solar System and Our Earth	28.	Food, Culture, Habitat, Languages etc of various regions (Basic concepts)
12.	Environmental Issues – Ozone depletion, Pollution etc.	29.	Names of young ones of different animals
13.	Historical Monuments of India	30.	Functions of Body Parts of Plants and Animals
14.	International Organizations: Basic knowledge about structure, functioning and objectives of United Nations, World Bank etc.	31.	Indian Literary and Cultural Personalities: Names and fields of achievements.
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17.	Current Affairs	34.	Life of Farmers (Farming techniques)