



2019-20_INTSO LEVEL - 2 SYLLABUS

Class - III

S. No	Maths (MTSO)	Science (STSO)			GTSO		ETSO	ATSO	
		Physics	Chemistry	Biology	Socail science	GK & Current Affairs	English	Arithmetic	Reasoning
1	1. Fundamentals on numbers 2. Fundamentals on symmetry 3. Fundamental operations on numbers 4. Figures and Shapes 5. Standard units and measurement 6. Understanding money	1. Basic in measurements (Length, mass, time) 2. Force, Work	1. Matter and its three states 2. Air and water 3. Making pots	1. Parts of a plant 2. Human body 3. Shelter of animals 4. The food we eat	1. Basic concepts of our Universe 2. Basic Concepts of Indian Geography 3. India's Neighbouring Countries	1. Indian States - Capitals 2. World - Countries - Capitals 3. Superlatives of the World and India 4. Picture Identification of Important Historical Structures of India and World	1. Nouns 2. Pronouns 3. Adjectives 4. Verbs & Auxiliary verbs 5. Prepositions 6. Articles 7. Spellings 8. Gender forms 9. Singular – plural		

Class IV

S. No	Maths (MTSO)	Science (STSO)			GTSO		ETSO	ATSO	
		Physics	Chemistry	Biology	Socail science	GK & Current Affairs	English	Arithmetic	Reasoning
2	1. Fundamentals on numbers 2. Fundamentals on symmetry 3. Fundamentals on fractions 4. Measurements 5. Roman numbers 6. Figures & Shapes 7. Understanding Money	1. Basic in measurements (Length, mass, time) 2. Force, Work 3. Machines	1. Elements and compounds 2. Air and water 3. Changes around us	1. How do plants make their food 2. Air food our health 3. Various types of animals 4. Discover the life style of the wild biodiversity	1. Basic concepts on the Earth and the Solar System. 2. Indian Geography - Forests, wild life, National parks, Agriculture and Transportation 3. Our Freedom Fighters	1. Picture identification of temples. Seven Wonders of the world. 2. List of Indian Presidents and Prime Ministers. 3. World - Countries - Capitals, Currencies	1. Nouns 2. Pronouns 3. Verbs & Auxiliary verbs 4. Prepositions 5. Articles 6. Spellings 7. Gender forms 8. Singular – plural 9. Synonyms & antonyms		

Class V

S. No	Maths (M.TSO)	Science (STSO)			GTSO		ETSO	ATSO	
		Physics	Chemistry	Biology	Socail science	GK & Current Affairs	English	Arithmetic	Reasoning
3	1. Fundamentals on numbers 2. Fundamentals on symmetry 3. Fractions 4. Decimals 5. Measurements 6. Roman Numbers 7. Figures & Shapes 8. L.C.M and H.C.F	1. Measurement 2. Force, Work, Energy 3. Simple machines 4. Sun and planets	1. Hydrogen and oxygen 2. Experiments with water 3. Air, atmosphere and wind	1. Reproduction in Plants 2. Nutrition food 3. Cultivation of crops 4. An body unternal organ system sense organs	1. Basic Concepts of World Geography. 2. Major natural regions of the World. 3. India Freedom struggle - Phases. 4. United Nations Organisation.	1. World - Countries - Parliaments 2. Important days in India and the World. 3. Major Indian Festivals 4. Inventions and Discoveries	1. Tenses 2. Parts of speech 3. Verb forms 4. Auxiliary verbs 5. Spellings 6. Synonyms & Antonyms 7. Comprehension passages		

Class VI

S. No	Maths (M.TSO)	Science (STSO)			GTSO		ETSO	ATSO	
		Physics	Chemistry	Biology	Socail science	GK & Current Affairs	English	Arithmetic	Reasoning
4	1. Primary number system 2. Fundamentals on plane Geometry 3. Fundamentals on algebra 4. Divisibility criteria 5. Decimals and fractions 6. Symmetry 7. Measures of lines and angles 8. L.C.M and H.C.F	1. Playing with magnets 2. Motion and measurements of distances 3. Units 4. Light , shadows and reflection	1. Materials and things 2. Separation of substances 3. Air around us 4. Changes around us	1. What do animals eat ? 2. Habitat 3. Plant parts and functions 4. Fibre to fabric 5. Movements in Animals	1. Basic Concepts of different Land forms. 2. Globe - A model of the Earth 3. Emergence of Kingdoms and Republics. 4. Basic Concepts on Democracy and Local Self - Governments	1. National Parks and Biosphere reserves of India. 2. Inventions and Discoveries 3. Quotations of Popular Personalities	1. Tenses 2. Kinds of nouns 3. Verb forms 4. Passive & Active Voice 5. Direct & Indirect speech 6. Comprehension passages 7. Articles 8. Proposition 9. Synonyms antonyms	1) Equations 2) Number system 3) Ratio & Proportions	1) Number series 2) Letter series 3) Number Analogy 4) Letter Analogy 5) Non verbal series

Class VII

S. No	Maths (MTSO)	Science (STSO)			GTSO		ETSO	ATSO	
		Physics	Chemistry	Biology	Socail science	GK & Current Affairs	English	Arithmetic	Reasoning
5	<ol style="list-style-type: none"> Fractions and Decimals Lines and angles Triangles and its properties Simple equations Understanding 2D & 3D shapes LCM and HCF of numbers Algebraic Expressions Area and perimeters 	<ol style="list-style-type: none"> Motion and time Heat Electricity Light 	<ol style="list-style-type: none"> Acids, bases and salts Weather and climate Physical and chemical changes Soil 	<ol style="list-style-type: none"> Animal Fibre Nutrition in plants Reproduction in plants Respiration in organism Seed dispersal 	<ol style="list-style-type: none"> Rain and Rivers New Kings and Kingdoms Indian Rivers Governments at the central and the state level in India. Rulers and Buildings 	<ol style="list-style-type: none"> Important cities on the banks of rivers. First in world The Sobriquets Latest " who is who" in India and World. 	<ol style="list-style-type: none"> Tenses Kinds of nouns Degrees of comparison Auxiliary verbs & Model verbs Passive & Active Voice Direct & Indirect speech Comprehension passages Preposition synonyms and antonyms 	<ol style="list-style-type: none"> Equations Number system Ratio & Proportions Percentages 	<ol style="list-style-type: none"> Number series Letter series Number Analogy Letter Analogy Non verbal series, Non verbal Analogies & Non verbal classification

Class VIII

S. No	Maths (MTSO)	Science (STSO)			GTSO		ETSO	ATSO	
		Physics	Chemistry	Biology	Socail science	GK & Current Affairs	English	Arithmetic	Reasoning
6	<ol style="list-style-type: none"> Rational numbers Linear equations in one variable Square roots and cube roots Area of plane figures Basics on geometry LCM and HCF polynomials Exponents and powers Algebraic expressions Comparing quantities using proportion 	<ol style="list-style-type: none"> Force and pressure Friction Light Chemical effects of electric current Stars and solar system 	<ol style="list-style-type: none"> Matter around us Metals and non metals Coal and petroleum Combustion and flame Synthetic fiber and plastics 	<ol style="list-style-type: none"> Story of micro organisms Reproduction in animals Reacting the age of adolescence Different eco system 	<ol style="list-style-type: none"> Basic Concepts of Cartography Indian National Movement. The Indian Consitution Understanding Secularism 	<ol style="list-style-type: none"> Abbreviations Countries - Capitals - Currencies First in India Chronology of Historical events in India. Defence forces in India - Ranks of navy, Army and Airforce Latest " who is who" in India and World. 	<ol style="list-style-type: none"> Tenses Auxiliary verbs & Modal verbs Question formation Question tags Correction of sentences Synonyms and antonyms Passive & Active Voice Direct & Indirect speech Phrasal verbs One word substitutes Comprehension passages Correction of sentences 	<ol style="list-style-type: none"> Equations Number system Ratio & Proportion Percentages 	<ol style="list-style-type: none"> Number series Letter series Number Analogy Letter Analogy Coding & decoding Non verbal series, non verbal analogies of non verbal Classification

Class IX

S.No	Maths (MTSO)	Science (STSO)			GTSO		ETSO	ATSO	
		Physics	Chemistry	Biology	Socail science	GK & Current Affairs	English	Arithmetic	Reasoning
7	1. Lines and angles 2. Triangles and its properties 3. Simple equations 4. Co - ordinate Geometry 5. Polynomials and factorisation 6. Areas of plane figures. 7. Plan geometry i) quadrilateral ii) Circles 8. probability	1. Motion 2. Laws of motion 3. Work and Energy 4. Sound	1. Matter around us 2. Is matter pure 3. Atoms and molecules 4. Structure of atom 5. Chemical reactions and equations	1. Cell - its structure and functions 2. Plant tissues 3. Animal tissues 4. Diversity in living organism 5. Sense organs	1. Natural Realms of the Earth (Lithosphere, hydrosphere, Atmosphere and Biosphere) 2. Indian Constitution 3.Introduction on Modern European History 4. Democracy : An Evolving Idea	1.International Organisations 2.Awards and Honours 3.Computer Generations 4. Important dates. 5. National organisations 7. Latest " who is who" in India and World. Olympic games commonwealth games cricket	1. Tenses 2. Prepositions 3. Direct & Indirect speech 4. Subject – verb agreement 5. Correction of sentences 6. Degrees of comparison 7. Passive & Active Voice 8. If – clause conditions 9. Idioms and phrases 10. Synonyms and antonyms 11. comprehension passages 12. One word substitutes	1. Equations 2. Number system 3. Ratio & Proportion 4. Percentages 5. Profit & loss	1. Number series 2. Letter series 3. Number Analogy 4. Letter Analogy 5. Coding & decoding 6. Odd man out 7. Venn diagrams 8. Non verbal series ,non verbal analogy, non verbal classification

Class X

So. No	Maths (MTSO)	Science (STSO)			GTSO		ETSO	ATSO	
		Physics	Chemistry	Biology	Socail science	GK & Current Affairs	English	Arithmetic	Reasoning
8	1. Real numbers 2. Polynomials 3. Analytical geometry 4. Quadratic equations 5. Trigonometry 6. Progressions 7. Mensuration 8. Probability 9. Similar triangles	1. Light (Reflection and refraction) 2. Current electricity 3. Magnetic effects of electric current 4. Human eye and colourful world	1. Chemical reactions and equations 2. Acids, bases and salts 3. Carbon and its compounds 4. periodic classification 5. Metals and non metals	1. Respiration 2. Transportation 3. Excretion 4. Coordination 5. Reproduction 6. Humidity	1. Indian Geography - relief features , rivers & climate. 2. Indian polity in post independent era. 3. The making of Indian Constitution 4. Important social movements 5. Production and Employment 6. Ideas of Development	1. Latest ' Who is Who' in India & world 2. Chronology of events in Indian Freedom Movement. 3. Indian space achievements - Indian satellites. 4. Olympic games, Commonwealth and ICC Cricket World Cup.	1. Tenses 2. Prepositions 3. Passive & Active Voice 4. Direct & Indirect speech 5. Correction of sentences 6. Sentence transformation 7. If – clause conditions 8. Degrees of comparison 9. Subject – verb agreement 10. Idioms and phrases 11. Synonyms and antonyms 12. Comprehension passages 13. One word substitutes	1) Equations 2) Ratio & Proportions 3) Percentages 4) Profit & loss 5) Mensuration [2 D & 3D] 6) Time & work 7) Time & Distance	1. Number series 2. Letter series 3. Number Analogy 4. Letter Analogy 5. Coding & decoding 6. Odd man out 7. Venn diagrams 8. Seating Arrangements 9. Clocks 10. Calendars 11. Non verbal series non verbal analogy, non verbal classification