

**Appendix 'A'**

(Refers to Para 8 Chapter II)

**SYLLABUS FOR CLASS IX IN GENERAL**

(Not Exhaustive)

**MATHEMATICS**

Squares and Square Roots, Cubes and Cube Roots, Rational Exponents and Radicals, Profit, Loss and Discount, Compound Interest, Algebraic Identities, Polynomials, Equation in one variable, Parallel lines, Quadrilaterals and special types of Quadrilaterals., Areas of plane figures-Triangle, Quadrilaterals, Circle, Circumference of Circle, Surface Areas and Volumes-Cylinder, Cone, Sphere & Solids, Statistics-Mean, frequency table.

**ENGLISH**

Spotting Errors, Active and Passive Voice, Reported Speech, Clauses, Prepositions, Tenses, Articles, Antonyms and Synonyms, Rearrange jumbled words into meaningful sentences. Adjective Forms, Adverb Forms, Comparative and Superlative Degrees, Question Tags and Framing sentences with word.

**SCIENCE**

The Universe, Soil, Air, Transformation of substances, Structure of Atom, Metals and non- metals, Carbon, Cell structure of function, Micro organisms, Refraction of light, Electricity and Magnetism, Friction, Sources of Energy, Common diseases, Food production and management- basic practices.

**The syllabus is as per the NCERT text book for science in class VIII.**

**SOCIAL SCIENCE**

India and the Modern world, India in the 18<sup>th</sup> century, The rise and growth of British Rule in India, Administrative structure, Policies and impact of British rule, Revolt against British rule, British policies and administration in India after 1857, Changes in Economic life, Religion and Social reform movement, Cultural awakening, Struggle for Swaraj, National Movement from 1923-1939, Achievements of Independence.

Indian constitution, Secularism, Parliament, Criminal Justice System, law and Social justice, Development issues, Globalization, United Nations- International agencies, Human rights, India and the United Nations, Foreign Policy of India, India and its neighbours.

Natural Disasters - Earth quake, Volcanoes, Cyclone, Floods, Environmental degradation Resources, Types and Developments, Natural resources - Land, Soil, Water, Minerals, Energy, Plants and Wild life, Agriculture, Manufacturing Industries, Human Resources.

NCERT - Social Science Text Book class VIII Part I and Part II.