



SANSKRITISCHOOL
Dr. S. RadhakrishnanMarg
New Delhi

SYLLABUS FOR ENTRANCE TEST TO CLASS IX
Academic Session 2016-2017

I. **ENGLISH**

- A Reading skills - comprehension passage
- B Writing skills - letters - formal and informal
 - Factual Description
 - Writing a diary entry
- C. Language Structure - Conjunctions - subordinate and co-ordinate
 - Clauses - main and subordinate, relative, adverb and Conditional clauses
 - Verb - finite and infinite forms
 - Tenses - Usage
 - Punctuation - usage of full stop, commas, semi colon, Exclamation mark, question mark, inverted commas
 - Reported speech
 - Active and passive voice

II. **MATHEMATICS**

- i. Exponents
- ii. Algebraic expressions and Identities
- iii. Factorization
- iv. Mensuration
- v. Linear equations in one variable
- vi. Understanding Quadrilaterals

III. **SCIENCE**

A. **Physics**

- i. **Force and pressure:** Force – A push or a pull, Force are due to an interaction, Exploring force, a force can change the state of motion and Force can change the shape of the object, contact forces, Non contact forces, Pressure, Pressure exerted by liquids and gases, Atmospheric pressure
- ii. **Friction :** Force of friction, Factors affecting friction, Friction –a necessary evil, Increasing and reducing friction, fluid friction
- iii **Sound :** Sound is produced by vibration, sound needs a medium for propagation, Amplitude, time –period and frequency of a vibration, loudness and pitch.
- iv. **Light :** Laws of reflection, regular and diffused reflection, Multiple reflections, structure of human eye – parts and functions

B. **CHEMISTRY**

- i. **Materials in daily life:** Synthetic fabrics, plastic and problems associated with their excessive use.
- ii **Different kinds of material:** Metals and non – metals, physical properties of metals and non-metals, Chemical properties of metals, Corrosion.
- iii **Combustion and Flame:** Combustion, combustion of wax candle, fuels, limitation of fossil fuels.

C. **BIOLOGY**

- i. **Cellular level of organization** : Cell and its structure: important organelles (mention of names only) and their functions, differences between plant and animal cells.
- ii. **Micro organisms** : Bacteria, virus, some fungi and protozoa; useful and harmful micro-organisms (examples).
- iii. **Reproduction in Animals**: Modes of reproduction, Sexual Reproduction – Male reproductive organs, Female reproductive organs, Fertilization, Development of Embryo, Viviparous and Oviparous animals, Metamorphosis, Asexual Reproduction.

IV. **FRENCH**

1. Passé Compose
2. Futur Simple
3. Passe Recent
4. FuturProche
5. Les VerbesPronominaux
6. Les Pluriels
7. Les Feminins

V. **SANSKRIT**

- १ अपठितअनुच्छेद
- २ धातु रूप-लट्, लृट्, लोट्, लंग एवंविधिलिङलकार
- ३ अजन्त शब्दरूप एवंउपपदविभक्तियाँ
- ४ अव्यय शब्द
- ५ प्रकृति-प्रत्यय-क्त, क्त्वा, तुमुन् एवंल्यप्
- ६ प्रश्ननिर्माण
- ७ संस्कृतमेंचित्र वर्णन

VI. **HINDI**

वर्ण-विच्छेद, संधि, विराम-चिह्न, उपसर्ग-प्रत्यय, विशेषण, क्रियाअपठितगद्यांश, अपठित पद्यांश, अनुच्छेद-लेखनअनौपचारिकपत्र-लेखन ।

VII. **Spanish**

1. Present tense
2. Estar con gerundio
3. Haber con participio
4. comprehension
5. Vocabulary of sports and food