



**SANSKRITI SCHOOL**  
**Dr. S. Radhakrishnan Marg**  
**New Delhi**

**SYLLABUS FOR ENTRANCE TEST TO CLASS IX**  
**Academic Session 2017-2018**

**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. Futur Proche
5. Les Verbes Pronominaux
6. Les Pluriels
7. Les Feminins

## V. GERMAN

Prapositionen mit 'Dativ' und mit 'akkusativ'  
Wechselprapositionen  
Präteritum und Perfekt (schwache und starke Verben)  
Personalpronomen  
Trennbare Verben (Separable verbs)

## VI. SANSKRIT

- १ अपठित अनुच्छेद
- २ धातु रूप - लट्, लृट्, लोट्, लंग एवं विधिलिङ्ग लकार
- ३ अजन्त शब्दरूप एवं सर्वनाम
- ४ अव्यय शब्द
- ५ प्रकृति-प्रत्यय - क्त, क्त्वा, तुमुन् एवं ल्यप्
- ६ प्रश्न निर्माण
- ७ संस्कृत में चित्र वर्णन

## VI. HINDI

वर्ण-विच्छेद, संधि, विराम-चिह्न, उपसर्ग-प्रत्यय, विशेषण, क्रिया अपठित गद्यांश,  
अपठित पद्यांश, अनुच्छेद-लेखन अनौपचारिक पत्र-लेखन।