



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।