



SYLLABUS FOR ENTRANCE TEST TO CLASS IX

Academic Session 2019 - 20

I ENGLISH

- i Comprehension passage
- ii Formal and informal letter
- iii Diary entry
- iv Factual description
- v Integrated grammar

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 Sound
Vibrating parts and categories of musical Instruments, characteristics of sound waves, calculation of time period and frequency, audible and inaudible sound, causes and effects of noise pollution, parts and the function of the human ear.
- ii Light
Laws of reflection, regular and diffused reflection, Multiple reflections, structure of human eye, function of parts of the eye, care of the eyes, plane mirror, characteristics of an image formed by a plane mirror.

B CHEMISTRY

- i Coal and Petroleum -
Natural Resources, Coal, petroleum, Natural gas, Some natural Resources are limited.
Combustion and flame -
- ii Combustion, conditions necessary for combustion, How do we control fire, Types of combustion, flame, Structure of a flame, What is a good fuel? , fuel efficiency , harmful effects of burning fuel

C BIOLOGY

- i **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
- ii **Age of Adolescence**- Adolescence and puberty, changes at adolescence, secondary sexual characters, Role of hormones, Reproductive phase in humans, sex determination ,

- reproductive health,
iii **Crop Production and management**--Agricultural practices, Preparation of soil, Manure , fertilizer, irrigation, Weeding, harvesting, storage

IV **FRENCH**

- i Present tense
ii Passé Compose
iii Future
iv Passe Recent
v Future Proche
vi pronominal verbs (affirmative negative interrogative interrogative
Impératif (affirmatifnégatif)
General questions

V **GERMAN**

- i conjugations of Verbs in present tense : wissen, stehen, sitzen, sein, gehen, kommen, fahren , treffen, kaufen
ii Verbs of position; setzen-sitzen, stehen-stellen, hängen-hängen , legen- liegen
iii Framing W- Questions & yes/ no Questions
iv Conjunctions
v prepositions (dative/ akkusative/mixed)
vi Dativ personal pronouns
Writing Skills
 - E-Mail writing

VI **SPANISH**

- i El PretéritoIndefinido (The simple past tense)
ii El PretéritoImperfecto (The past imperfect)
iii El Simple futuro (The simple future)
iv La diferencia entre “SER, ESTAR, HAY”

VII **HINDI**

वर्ण-विचार,संधि,समास,वाक्य-रूपांतरण (रचनाकेआधारपर),अपठितबोध (गद्यांशएवंपद्यांश),अनुच्छेद-लेखन,पत्र-लेखन (औपचारिकएवंअनौपचारिक),संवाद-लेखन।

VIII **SANSKRIT**

- i अपठित अनुच्छेद
ii धातु रूप - लट्, लृट्, लोट्, लंग एवं विधिलिङ्ग लकार
iii अजन्त शब्दरूप एवं सर्वनाम
iv अव्यय शब्द
v प्रकृति-प्रत्यय - क्त, क्त्वा, तुमुन् एवं ल्यप्
vi प्रश्न निर्माण
viii संस्कृत में चित्र वर्णन