

# P.E. Society's N.C.L. Junior College

N.C.L. Campus, Pashan, Pune-411 008.

SYLLABUS FOR STD XI[2017-18]

## Unit Test-I

### **Physics:**

Measurement, Current Electricity

### **Mathematics:**

Determinant, Matrices, Complex numbers, sets, relations and functions.

### **Biology:**

B-(I): Diversity in organism, Morphology of flowering plants.

B-(II): Kingdom Animalia.

### **IT:**

Introduction to Information Technology, Html.

### **Chemistry:**

Basic principles and technique in organic chemistry, some basic concepts of chemistry, states of matter.

### **Geography:**

L-1 Physiography of the World L-2 Movement of the Earth.

### **English:**

i) Unit One-Self, ii) Unit Two-Family iii) Rapid Reading- the joy of learning.

## Terminal Examination

### **Physics:**

Measurement, Current Electricity, Scalars & Vectors, Electromagnetic Spectrum, Sound Waves and thermal expansion.

### **Mathematics:**

Determinant, Matrices, Vectors, Linear inequations, Trigonometric functions, Complex numbers, sets, relations and functions, sequence & series, Logarithms, Method of induction & binomial them., Permutation & combination.

### **Biology:**

B-(I): Diversity in organism, Morphology of flowering plants, Kingdom Plantae, Biochemistry of cell, Cell division.

B-(II): Kingdom Animalia, Organization of cell, Human nutrition.

### **IT:**

Introduction to Information Technology, Html, Introduction to Networking, VB.NET (till 6.4).

### **Chemistry:**

C-I: Some basic concepts of chemistry, states of matter, Structure of atom.

C-II: Basic principles and technique in organic chemistry, Alkanes, Alkenes, Alkynes.

### **Geography:**

L-1 Physiography of the World. L-2 Movement of the Earth. L-3 Climate. L-4 Drainage system and Water resources.

### **English:**

i) Unit One-Self, ii) Unit Two-Family iii) Unit Three-City iv) Unit Four-Society

v) Rapid Reading- 1,2.

## Unit Test-II

### **Physics:**

Force, Electrostatics.

### **Mathematics:**

Limits, Differentiation, Trigonometric F<sup>ns</sup> of compound angles.

### **Biology:**

B-(I): Plant water relation and mineral nutrition, Plant growth and development.

B-(II): Human respiration, Human skeleton and locomotion.

### **IT:**

VB.NET, Web browser and Email clients.

### **Chemistry:**

C-I: Redox Reaction, Chemical Equilibrium.

C-II: Aromatic compounds.

### **Geography:**

L-5 Oceans, L-6 Forest.

### **English:**

i) Unit Five-State ii) Unit Six-Nation, iii) Rapid Reading- the gift of magi.

## Annual Examination

### **Physics:**

Measurement and Current Electricity, Scalars & Vectors, Electromagnetic spectrum, Sound Waves and thermal Expansion, Magnetic effect of electric current, Magnetism, Electrostatics, Current Electricity(XII), Projectile Motion(XII).

### **Mathematics:**

Trigonometric functions of compound angles, Limits, Sequence & Series, Differentiation integration, Method of Induction & Binomial Them., Matrix(XII), LPP(Std XII).

### **Biology:**

Morphology of flowering plants, Kigdom plantae, cell division, biochemistry of cell, human respiration, human skeleton and locomotion, Study of animal tissue, Plant water relation & mineral nutrition, plant growth and development, genetic basic of inheritance(XII), chromosomal basis of of inheritance(XII).

### **IT:**

Html, Office Suits, VB.Net, JavaScript, Web browsers, Introduction to Networking, Web Publication (STD XII).

### **Chemistry:**

States of matter, Alkanes, Alkenes, Alynes, Chemical Equilibrium, aromatic compounds, s-block, p-block, nature of chemical bonds, Halogen derivates(Std XII).

### **Geography:**

Climate, Drainage, Ocean, Forest, Disaster, Population(XII), Migration(XII).

### **English:**

Unit 3,4,5,6,7,8. Rapid Reading 4,5.

XII: Unit- 1,2.