

# **Syllabus For** **XII – PMT Combined Test (NEET Type)**

**Date: 23–10–2020**

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## **PHYSICS**

Electric field and electric potential, Gausse's law, capacitor, current electricity, work, power, energy and conservation of mechanical energy, centre of mass and conservation of linear momentum, rotational motion.

SHM, waves, ray optics, photoelectric effect.

## **CHEMISTRY**

Chemical and ionic equilibrium, chemical bonding, s-block, p-block (group-13, 14), organic chemistry– some basic principles and techniques, hydro carbon.

Solid state, haloalkane and haloarene, alcohol, phenol, ether, d and f-block elements, coordination compound, chemical kinetics, general organic chemistry, solution (concentration terms and equivalent concept, vapour pressure of liquid solutions).

## **ZOOLOGY**

Breathing and exchange of gases, body fluids and circulation, reproductive health.

## **BOTANY**

Full syllabus of XI- (except plant kingdom and plant anatomy) + sexual reproduction in flowering plants, genetics, molecular basis of inheritance, ecosystem, biotechnology.