

Programme Schedule of online weekend classes (XI) under Udaan Project 2017-19

13th Week

Saturday 27th January, 2018	
Class XI	
1:00 pm – 2:45 pm	
Subject	Physics
Resource person	Mr. G.K. Mishra
Topic	Oscillations and Waves – Phase energy in SHM – Kinetic and potential energies. Oscillations of a spring-restoring force and force constant, simple pendulum, derivation of expression for its time period
2.45pm – 3.15pm Lunch Break	
3:15 pm – 5.00 pm	
Subject	Chemistry
Resource person	Dr. Rakhi Thareja
Topic	p-block elements: Carbon Family- properties, preparation and important Compounds
Sunday 28th January, 2018	
9.00 am – 12.00 noon	
Subject	Chemistry
Resource Person	Dr. Rakhi Thareja
Topic	Some basic Concepts of Organic Chemistry: IUPAC Nomenclature, Structural Isomerism, Stereoisomerism (Conformational Isomerism and Geometrical Isomerism)
12.00 noon -12.30 pm Lunch Break	
12.30 pm – 3.30pm	
Subject	Mathematics
Resource person	Dr. Seema Thakran
Topic	Complex Numbers: Algebra of complex numbers, modulus and argument of a complex number and their properties, square root of a complex number, polar form, Euler form, cube roots of unity
3.30pm to 4.30pm Assessment on topics of upto week No.12	