

DISTANCE LEARNING PROGRAMME

STUDY MATERIAL COURSE & JOINT PACKAGE COURSE

TARGET : PRE-MEDICAL

SET # 02

Dear Student, We are sending following modules alongwith this checklist.
 Kindly check whether you have got all the modules mentioned in this checklist.

Module No.	TOPIC	CLASS
PHYSICS		
P-03	1.Thermal Physics	11 th
	2.Oscillations (S.H.M.)	
	3.Wave Motion	
P-05	1.Magnetic effect of current and Magnetism	12 th
	2.Electromagnetic Induction (EMI)	
	3.Alternating Current	
	4.Electromagnetic Waves (EMW)	
P-06	1.Ray optics and optical Instruments	12 th
	2.Wave Optics	
	3.Modern physics-I (Dual nature of radiation and matter)	
	4.Modern physics-II (Nuclei)	
	5.Modern physics-III (Atoms)	
	6.Semiconductor & Digital Electronics	
SOLUTIONS	Modules 3, 5, 6	
CHEMISTRY		
C-03	1.Classification & Nomenclature	11 th
	2.Isomerism	
	3.Fundamental concept in organic reaction mechanism	
	4.Hydrocarbons	
	5.Purification methods, Qualitative and Quantitative analysis of organic compounds	
	6.Hints and Solutions	
C-05	1.p-Block Elements	12 th
	2.d and f-Block Elements	
	3.Co-ordination Compounds	
	4.Hints and Solutions	
C-06	1.Haloalkanes and Haloarenes	12 th
	2.Alcohol, Phenol and Ether	
	3.Aldehydes, Ketones and Carboxylic acids	
	4.Amines	
	5.Biomolecules	
	6.Hints and Solutions	
BIOLOGY		
B-03	PLANT PHYSIOLOGY	11 th
	1.Enzymes	
	2.Photosynthesis in Higher plants	
	3.Respiration in plants	
	4.Plant growth and Development	
B-05	5.Biomolecules (Protoplasm)	11 th
	1.Breathing and exchange of gases	
	2.Body fluids and circulation	
B-06	3.Excretory products & their elimination	11 th
	1.Neural control and coordination (Nervous System)	
	2.Chemical co-ordination and integration (endocrine System)	
	3.Locomotion and movement (Skeletal system)	
B-09	4.Locomotion and movement (Limb muscles)	12 th
	1.Genetics : Principles of Inheritance and variations	
B-10	2.Genetics : Molecular basis of inheritance	12 th
	1.Biotechnology : Principles and Processes and its applications	
	2.Microbes in human welfare	12 th