

# 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.

#### PHYSICS

Module No.	S. No.	TOPIC	CLASS
P-03	1	Thermal Physics	11 <sup>th</sup>
	2	Oscillations (S.H.M.)	
	3	Wave Motion & Doppler's Effect	
P-05	1	Magnetic effect of current and Magnetism	12 <sup>th</sup>
	2	Electromagnetic Induction (EMI)	
	3	Alternating Current	
	4	Electromagnetic Waves (EMW)	
P-06	1	Ray optics and optical Instruments	12 <sup>th</sup>
	2	Wave Optics	
	3	Modern Physics-I, II, III	
	4	Semiconductor & Digital Electronics	
	5	Modules 3, 5, 6 (Solutions)	

#### CHEMISTRY

C-03	1	Classification & Nomenclature	11 <sup>th</sup>
	2	Isomerism	
	3	Reaction Mechanism-I	
	4	Reaction Mechanism-II	
	5	Hydrocarbons	
	6	Environmental Chemistry and Qualitative and Quantitative analysis of organic compounds	
	7	Hints and Solutions	
C-05	1	p-Block Elements (group 13 to 18)	12 <sup>th</sup>
	2	d and f-Block Elements	
	3	Co-ordination Compounds	
	4	Metallurgy	
	5	Hints and Solutions	
C-06	1	Halogen Derivatives	12 <sup>th</sup>
	2	Oxygen Containing Compounds	
	3	Nitrogen Containing Compounds	
	4	Biomolecules, Polymers, Chemistry In Everyday life	
	5	Hints and Solutions	

#### BIOLOGY

B-03	PLANT PHYSIOLOGY		11 <sup>th</sup>
	1	Enzymes	
	2	Transport in plant	
	3	Mineral Nutrition	
	4	Photosynthesis in Higher plants	
	5	Respiration in plants,	
	6	Plant growth and Development	
B-07	1	Neural control and coordination (Nervous System)	11 <sup>th</sup>
	2	Chemical co-ordination and integration (Endocrine System)	
	3	Sensory Organs	
B-09	1	Genetics : Principals of Inheritance and variations	12 <sup>th</sup>
	2	Genetics : Molecular basis of inheritance	
B-10	3	Biotechnology : Principles & Processes and Applications	12 <sup>th</sup>
	4	Microbes in human welfare	
	5	Strategies for enhancement in food production (Plant Breeding)	
	6	Biomolecules (Protoplasm)	
B-11	1	Human health and Diseases	12 <sup>th</sup>
	2	Origin & Evolution of life	
	3	Strategies for enhancement in food production (Animal Husbandry)	
B-12	1	Organism and Environment(Ecology)	12 <sup>th</sup>
	2	Demography	