

DIPLOMA IN CATH-LAB-TECHNICIAN

SYLLABUS

Preliminary Course

ANATOMY:	
<i>Sl.No.</i>	<i>Particulars</i>
01	<i>Basic cells and tissues</i>
02	<i>Heart: Pericardium, chambers, valves, conduction systems great vessels</i>
03	<i>Circulation : major arteries and veins</i>
04	<i>Lungs and pleura, diaphragm</i>
05	<i>Liver, Spleen, Kidney, Brain</i>
PHYSIOLOGY:	
01	<i>Circulatory systems</i>
02	<i>Autonomic nervous system</i>
03	<i>Action potential, muscles contraction</i>
04	<i>Gas exchange</i>
05	<i>Thrombosis, platelet function</i>
06	<i>Renin angiotensin system</i>
07	<i>Kidney : Physiology</i>
PHARMACOLOGY:	
01	<i>General Pharmacology</i>
02	<i>Sedatives</i>
03	<i>Anaesthetics agents</i>
04	<i>Analgesics</i>
05	<i>Drugs used for heart disease: Antianginal, Antiarrhythmic, anti failure, vessopressors, vasodilators, cardiac imaging agents, anti thrombotics</i>
PREVENTIVE CARDIOLOGY:	
01	<i>Diat and Nutrition</i>
02	<i>Smoking</i>
03	<i>Exercise and heart</i>
MICROBIOLOGY:	
01	<i>Specimen collection : Blood, urine, sputum, etc.</i>
02	<i>Bacteria and viruses in CVS</i>
03	<i>Serology and immunology</i>