

STATE MEDICAL FACULTY OF WEST BENGAL

MODIFIED SYLLABUS OF DCLT COURSE W.E.F. 2014

SYLLABUS - Preliminary Course

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

SYLLABUS - Final Course

RADIOLOGY:	
<i>Sl.No.</i>	<i>Particulars</i>
01	<i>Principles of X-Rays</i>
02	<i>Protection from radiation</i>
03	<i>Description and recognition of Chest X-Rays</i>
04	<i>Different views of chest for identification of cardiopulmonary structures</i>
05	<i>Ultrasonography : Principles</i>
06	<i>Basic of Echocardiography</i>
ECG:	
01	<i>ECG machine : Parts</i>
02	<i>Technical of taking an ECG</i>
03	<i>Pitfalls in taking ECGs</i>
04	<i>Recognition of normal ECG waves</i>
05	<i>Abnormal ECG</i>
DEFIBRILLATION:	
01	<i>Technique</i>
02	<i>Indication</i>
03	<i>Complications</i>
DISEASES OF HEART:	
01	<i>Congenital</i>
02	<i>Rheumatic</i>
03	<i>Myocardial and pericardial</i>
04	<i>Coronary artery diseases</i>
05	<i>Hypertension</i>
06	<i>Pulmonary thromboembolism and pulmonary hypertension</i>
07	<i>Respiratory failure</i>
CATHETERS AND INSTRUMENTS:	
01	<i>Arterial Blood Gases : Technique and interpretation</i>
02	<i>Haemodynamic monitoring: Technique, recognition, indication, complications.</i>
03	<i>Fluid and electrolytes</i>
04	<i>X-ray imaging in cath lab</i>
05	<i>Intra Aortic Ballon Pulsation: Indication, Technique and complications</i>
06	<i>Artificial ventilation</i>
07	<i>Extra Corporeal Membrane Oxygenator</i>
08	<i>Different views of cardiac catheterization</i>
09	<i>Transducer, outline of C-arm, cineangio machine and oxymetry</i>
10	<i>Interventional catheters, balloon and stents.</i>

The Examinations, both Preliminary and Final, will be conducted as follows:-

PRELIMINARY EXAMINATION :

Total 400 marks :

1st Paper : Basic Anatomy+Physiology+Pharmacology = 200 Marks

2nd Paper : Preventive Cardiology + Microbiology = 200 Marks

Division of marks will be as follows :

1st Paper : Theory = 100 Marks
[Written = 80 Marks + IA 20 Marks]
Practical + Viva = 100 Marks
[Practical = 45 Marks + IA 5 Marks]
[Viva + 45 Marks + IA 5 Marks]

2nd Paper : Theory = 100 Marks
[Written = 80 Marks + IA 20 Marks]
Practical + Viva = 100 Marks
[Practical = 45 Marks + IA 5 Marks]
[Viva = 45 Marks + IA 5 Marks]

FINAL EXAMINATION :

Total 400 Marks :

1st Paper : Radiology + ECG + Defibrillation = 200 Marks

2nd Paper : Diseases of Heart +Catheters & Instruments = 200 Marks

Division of marks will be as follows :

1st Paper : Theory= 100 Marks
[Written = 80 Marks + IA 20 Marks]
Practical + Viva = 100 Marks
[Practical 45 Marks + IA 5 Marks]
[Viva = 45 Marks + IA 5 Marks]

2nd Paper : Theory = 100 Marks
[Written = 80 Marks + IA 20 Marks]
Practical + Viva = 100 Marks
[Practical = 45 Marks + IA 5 Marks]
[Viva = 45 Marks + IA 5 Marks]

**Syllabus to be taught and number of lecture classes to be taken will remain unchanged.
This is effective from the Academic Session 2014."**
