

COURSE TITLE: CARDIAC PATHOLOGY & CLINICAL PRACTICE

STUDY HOURS:	60+160	MARKS	
PAPER:	01	THEORY	120
Term :	4th	PRACTICAL:	30
		TIME:	03HRS

COURSE CONTENTS **STUDY HOURS** **(Theory +Practical)**

A. CARDIAC PATHOLOGY

60+60

Definition, Causes, Clinical feature, (Briefly) and first aid treatment

- A1 Angina
- A2 Ischemic heart diseases
- A3 Acute myocardial infarction
- A4 Carcinogenic shock
- A5 Congestive heart failure
- A6 Rheumatic Fever
- A7 Rheumatic Heart Diseases
- A8 Valvular Heart Diseases
- A9 Hypertension
- A10 Pericardial Diseases
- A11 Cardiomyopathy
- A12 Cardiac Arrhythmias
- A13 Congenital Heart Diseases

B. PRACTICAL WORK IN CARDIOLOGY

100

- B1. Patient Receiving
- B2. History taking
- B3. Routine Investigation
- B4. Preparation of Patient for procedure
- B5. General Duty in ward
- B6. Scrubbing and its principle
- B7. Introduction to electro medical equipment (ECG, ETT & ECHO)
- B8. Operating of Monitoring
- B9. Equipment maintenance
- B10. Pre and post procedure care
- B11. Assisting in procedure

RECOMMENDED BOOKS:

1. Current Diagnosis and Treatment in Cardiology by Michael H. Crawford
2. Echo Made Easy by Sam Khaddoura by Elsevier Sciences
3. Diseases of the Heart by Desmond G. Julian
4. Electronic Fetal Hearth Monitoring A practical Guide by Renu Misra
5. Principles of Electrocardiography by Dr. Muhammad Ilyas
6. Pharmacology by Shamim

REFERENCE BOOKS:

1. Robbin Pathology by Cortan Kumar by WB Saunders
2. Treatment of Heart Disease by James T. Willerson
3. The ECG in Practice by John R Hampton

COURSE TITLE: APPLIED CARDIOLOGY & CLINICAL PRACTICE

STUDY HOURS: 60+160

PAPER: 02

TERM: 4th

THEORY 120

PRACTICAL: 30

TIME: 03HRS

COURSE CONTENTS STUDY HOURS (Theory +Practical)

A. APPLIED CARDIOLOGY	40+60
A1 ECG/ETT	
A2 Echo	
A3 Cardiac catheterization	
B. THERORY AND PRACTICAL on ETT & ECHO:	20+100
B1 Basic knowledge about equipment	
B2 Use of equipment under supervision	
B3 Maintenance of equipment under supervision	
B4 Disinfections of equipment	
B5 Safety and precaution	
B6 Preparation of patients	
B7 Observation and assistance	
B8 Basic physics of Doppler 2-D, M mode (theory)	
B9 Scrubbing technique	
B10 Introduction to sterilization	

RECOMMENDED BOOKS:

1. Current Diagnosis and Treatment in Cardiology by Michael H. Crawford
2. Echo Made Easy by Sam Khaddoura by Elsevier Sciences
3. Diseases of the Heart by Desmond G. Julian
4. Electronic Fetal Hearth Monitoring A practical Guide by Renu Misra
5. Principles of Electrocardiography by Dr. Muhammad Ilyas
6. Pharmacology by Shamim

REFERENCE BOOKS:

1. Robbin Pathology by Cortan Kumar by WB Saunders
2. Treatment of Heart Disease by James T. Willerson
3. The ECG in Practice by John R Hampton