

Syllabus of Cardiology for PhD entrance Test

Marks-5

1. **ANATOMY**- special emphasis on Cardio Thoracic Vascular Anatomy, Histology and Embryology.

Marks-5

2. **PHYSIOLOGY**- special emphasis on Cellular, molecular and Cardiovascular physiology.

Marks-5

3. **BIOCHEMISTRY**- special emphasis on Carbohydrates, Lipids, enzymes, hemostasis, thrombosis and Cardiac Biomarkers.

Marks-5

4. **PATHOLOGY**- special emphasis on disorders of Hemodynamics, Blood Vessels and Heart.

Marks-5

5. **PHARMACOLOGY**- special emphasis on Drug Pharmacokinetic and Pharmacodynamics, Metabolic, Cardiovascular, Renal and Hematological System.

Marks-5

6. **COMMUNITY MEDICINE**- special emphasis on Epidemiology and Epidemiological method, NCD; Health Programs; Nutrition; information; Health Planning and Medical Statistics.

Marks-5

7. **MEDICINE & Allied Subjects**- special emphasis on Disorders of Cardiovascular System; Horizontal and Vertical Integration of Disorders of various system to Cardiovascular system; Cardiac Manifestation of Respiratory Disorders; Pediatric Cardiology; Cardio- Maternal and Cardio- Obstetric Care; Anesthesiology and Critical Care Medical; Interventional Cardiology.

Marks-5

8. **SURGERY**- Basic of Cardio Thoracic and Vascular Surgery.

Marks-5

9. Fundamentals of Clinical Research Methodology, IT Tools and Resources for Academic Research.

Marks-5

10.IT (AI & ML) and Innovation in Cardiology.
