### Write Short notes on:

1. **Anatomy of Mitral valve in reference to:**
   - a) Types of chordae.  
   - b) Fibrous Trigones and their anatomical relations.  
   - c) Carpentier’s classification of Mitral Regurgitation.  
   - d) Mitral Leaflets.

2. **Newer Anticoagulant Agents:**
   - a) Enumerate them.  
   - b) Mechanism of Action.  
   - c) Disadvantages.  
   - d) Advantages over Warfarin.  
   - e) Antidote.

3. **Intention to Treat Analysis.**
   - a) Intention to Treat Analysis.  
   - b) Level of Evidence.  
   - c) Hazard Ratio.  
   - d) Confidence Interval.

4. **Cardiopulmonary Bypass:**
   - a) Alfa stat versus pH stat strategy.  
   - b) Recent advances.  
   - c) Pulsatile versus Non pulsatile flow.

5. **Coronary Sinus:**
   - a) Anatomy and tributaries.  
   - b) Therapeutic interventions through Coronary sinus:
     - i) Surgical  
     - ii) Percutaneous

6. **Ejection Fraction and its reliability**
   - a) Ejection Fraction and its reliability  
   - b) LVEDP( L.V. End Diastolic Pressure)  
   - c) Qp:Qs Ratio and its calculation  
   - d) Pulmonary Capillary Wedge pressure – Relevance and Fallability

---

POSSESSION / USE OF CELL PHONES OR ANY SUCH ELECTRONIC GADGETS IS NOT PERMITTED INSIDE THE EXAMINATION HALL.
## CARDIO THORACIC SURGERY

### PAPER – I

7. a) Interventricular dependence.  
   b) Action potential of Cardiac myocyte.  
   c) Embryology of atrial septum.  

8. a) Lymphatic drainage of lungs.  
   b) Embryological basis of Pulmonary Sequestration  

9. a) Arterial supply of oesophagus.  
   b) Drainage of lymphatic duct.  

10. Pathophysiological basis and aetiology of hoarseness of voice:  
    a) Cardiac causes  
    b) Pulmonary causes  
    c) Vascular causes  

---

POSSESSION / USE OF CELL PHONES OR ANY SUCH ELECTRONIC GADGETS IS NOT PERMITTED INSIDE THE EXAMINATION HALL.