

PAPER CODE: CA001

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002
POST DOCTORAL FELLOWSHIP EXAMINATIONS: DECEMBER 2025
CARDIAC ANESTHESIA
(PAPER–I)

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions with neat diagrams whenever necessary
All question carry equal marks.

Write an essay on the following:

10 X 10 = 100

1. Discuss the Coronary anatomy with a diagram and briefly describe the Left and Right dominant Coronary system.
2. Discuss the mitral valve apparatus with a diagrammatic representation
Discuss the CARPENTIER-EDWARDS description of Mitral valve anatomy and its advantages.
3. Discuss the Anatomy and embryological course of Inter atrial septum development. Discuss the types of ASD.
4. Describe the Components of Tetralogy of Fallot's and discuss the major surgical components of TOF correction.
5. Discuss the Anaesthetic management of a patient with Severe Triple vessel disease with Severe Left Ventricular Dysfunction coming for elective CABG.
6. Briefly outline the Blood conservation techniques in major cardiac Surgery.
7. Discuss the principles and practice of ERAS protocol in cardiac Surgery.
8. Briefly discuss the Newer Novel Oral Anticoagulants with their advantages and disadvantages.
9. Discuss briefly about lung isolation Techniques in an adult and discuss the Steps for the confirmation of Successful lung isolation.
10. Write short note on the following: (5+5)
 - a. protamine reaction
 - b. Torsade de-pointes.
