

PAPER CODE: CA001

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA STATE, WARANGAL – 506 002
POST DOCTORAL FELLOWSHIP EXAMINATIONS: AUGUST, 2024
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 normal coronary anatomy with a diagram and what is Coronary Flow Reserve.
2. Discuss the Echocardiographic evaluation of a patient coming for ASD device closure and discuss the anaesthetic management of a 5 year child coming for ASD device closure.
3. Discuss the hemodynamic goals and anaesthetic management of a patient coming with Severe Mitral Stenosis and Atrial Fibrillation coming for Mitral Valve Replacement (MVR).
4. Discuss the Anaesthetic management of a patient following Failed PTCA with ongoing chest pain coming for Emergency Coronary revascularization (CABG).
5. Discuss the management of a patient with Acute LV failure coming to ER.
6. Write short note on: (5+5)
 - a) Dobutamine stress Echo.
 - b) Blalock-Taussig shunt.
7. Discuss the clinical presentation and management of a patient with cardiac tamponade following elective cardiac surgery.
8. Discuss the cardiac cycle, mechanism and classification of Anti arrhythmic drugs.
9. Discuss the WEST' s zones of ventilation/ perfusion in the lungs. Discuss the ways and means of optimizing the ventilation perfusion match during cardiac surgery.
10. What is Contrast Induced Nephropathy (CIN) and discuss the prevention and management of CIN.
