

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA– 506 002
D.M. /M.CH. DEGREE EXAMINATION: DECEMBER, 2025**

**CARDIOTHORACIC SURGERY
PAPER – IV
(RECENT ADVANCES)**

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

Write an essay on the following:

2 X 30 = 60

1. Describe recent advances in minimally invasive cardiac surgery in terms of approach, incisions, cardiac protection, cardiopulmonary bypass techniques in a case of Mitral Regurgitation for mitral valve repair of the posterior leaflet prolapse in a 70-year-old male, weighing 90 kgs and 6.2 feet tall.
2. Discuss the current surgical options for the management of Atrial Fibrillation with emphasis on minimally invasive techniques.

Write a short note on the following:

4 X 10 = 40

3. E-CPR.
4. Post-fracture rib fixation, indications and methods.
5. Endovascular stents for Type B Aortic dissection.
6. Cell savers in cardiac surgery.
