

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002**

M.D/ M.S DEGREE SUPPLEMENTARY EXAMINATIONS: MAY,2025

ANAESTHESIOLOGY

PAPER – II

**(CLINICAL SCIENCES IN RELATION TO ANAESTHESIOLOGY INCLUDING RECENT
ADVANCES)**

Time: 3 Hours

Max Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary

Write a short essay on the following:

10 X 10 = 100

1. a) Discuss awareness under anaesthesia.
b) BIS monitoring. (5+5)
2. a) Discuss temperature management.
b) Explain with the help of a flowchart ROSC post cardiac arrest. (6+4)
3. While performing an epidural block, there was an accidental dural puncture:
a) What are the various options available to the anaesthesiologist in this situation?
b) List the various methods for prevention of post dural puncture headache.
c) Management of post dural puncture headache. (3+3+4)
4. a) myocardial protection during cardiopulmonary bypass
b) Ovarian hyper stimulation syndrome; enumerate clinical features and give Treatment. (5+5)
5. Define ARDS. Discuss ventilation strategy in covid-19 pneumonia.
6. a) What is diastolic dysfunction?
c) How would we evaluate for diastolic dysfunction in the pre-operative period?
c) What are its implications to the anaesthesiologist? (3+3+4)
7. Draw a neat and labelled diagram of brachial plexus block. Discuss indications, advantages and disadvantages of supraclavicular block.
8. a) airway blocks
b) Merits and demerits of video laryngoscopy. (5+5)
9. Draw a well-labelled diagram of a normal Thromboelastography (TEG). Clinical application of different forms of TEGs in anaesthesiology practice.
10. Describe the recent concepts of massive intra operative blood loss.
