

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

B.Sc. (Allied Health Sciences), SECOND YEAR DEGREE EXAMINATIONS: FEBRUARY 2026

OPERATION THEATRE TECHNOLOGY

PAPER IV

MEDICINE RELEVANT TO OPERATION THEATRE TECHNOLOGY

Time: 3 Hours

Max Marks: 80

Note: Draw diagrams whenever necessary.

Write essay on any TWO of the following questions: **2 X 10 = 20**

1. Explain diabetes Mellitus and its effect on surgery. What are the precautions OT staff should take when managing diabetic surgery and recovery.
2. Discuss the management of a patient with Cerebrovascular Accident (CVA) in OT settings. What are the considerations in positioning, rehabilitation and post-operative care for such patients?
3. What are the implications of Hypertension on surgery? Discuss the precautions that should be taken before, during and after surgery for hypertensive patients in OT.

Write a short note on any FIVE of the following: **5 X 6 = 30**

4. Define Ischemic Heart Disease (IHD) and explain why it is important to manage during OT procedures.
5. What is the impact of Obesity on anaesthesia and surgery?
6. What are the key considerations when working with elderly patients in OT?
7. Describe the impact of pregnancy on surgical and anaesthesia management in OT.
8. Explain the signs of shock and the steps to manage it during OT procedures.
9. How does Chronic Obstructive Pulmonary Disease (COPD) affect anaesthesia and post-surgery recovery in OT.

Write briefly on the following: **10 X 3 = 30**

10. Management of Deep Vein Thrombosis (DVT).
11. Classification of Anaemia.
12. What are the main concerns for neonates undergoing surgery?
13. Blood groups.
14. What are different types of Insulin?
15. Lidocaine.
16. Epistaxis.
17. Nosocomial infections.
18. What is the impact of Chronic Renal Failure on wound healing?
19. What should be monitored in a patient with Chronic Liver Disease during OT procedures?
