

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

WARANGAL, TELANGANA– 506 002

B.Sc. (Allied Health Sciences) SECOND YEAR DEGREE SUPPLEMENTARY EXAMINATIONS:

OCTOBER, 2025

OPERATION THEATRE TECHNOLOGY

PAPER I

Time: 3 Hours

Max Marks: 80

Note: Draw diagrams whenever necessary with Black Ball point pen /HB pencil /any darkColor pencil.

Answer part **A &B** questions in two separate answer books

Question in part “**A**” should not be answered in part “**B**” and vice versa. Otherwise they will not be valued

APPLIED PATHOLOGY (Part -A = 40 Marks)

Write essay on any ONE of the following:

1 X 10 = 10

1. Aneurysm- definition, causes, pathophysiology.
2. Causes for Dyspnea, etiopathogeneses & diagnosis of Bronchial asthma.

Write a short note on any THREE of the following:

3 X 5 = 15

3. Complete urine examination.
4. Etiopathogeneses of Chronic Kidney Disease.
5. Mention the normal values of i) Hemoglobin in males and females
ii) WBC count iii) platelet count iv) RBC
6. Causes for Atherosclerosis.
7. Different types of congenital heart diseases.

Write briefly on any FIVE of the following:

5 X 3 = 15

8. Hypertension - causes.
9. Classification of Leukemia's.
10. DLC – Differential Leucocyte count
11. What is Acute glomerulonephritis?
12. Difference between ST-elevation and non-ST-elevation myocardial infarction (STEMI vs NSTEMI).
13. Diagnosis of Hemolytic Anemia's.
14. Estimation of Hemoglobin.

APPLIED MICROBIOLOGY (Part -B = 40 Marks)

Write essay on any ONE of the following:

1 X 10 = 10

15. Explain in detail about procedure of Autoclaving and preparation of material for autoclaving.
16. What are the precautions should be taken for HIV infected patient posted for surgery? What is the post exposure prophylaxis for it? (5+5)

Write a short note on any THREE of the following:

3 X 5 = 15

17. Food poisoning- definition and causes.
18. Hospital acquired infections.
19. Infection spread through respiratory route.
20. What are the chemical methods for sterilization?
21. Opportunistic infections.

Write briefly on any FIVE of the following:

5 X 3 = 15

22. Blood borne infections.
23. Gaseous sterilization.
24. Catheter related UTI- prevention
25. Classification of fungus.
26. What are the different sampling techniques used in operation theatre/ICU?
27. Salmonella.
28. What is the difference between Bacteria and Virus?
