

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

TELANGANA, WARANGAL – 506 002

B.Sc. (ALLIED HEALTH SCIENCES) SECOND YEAR DEGREE EXAMINATIONS: MAY, 2025

OPERATION THEATRE TECHNOLOGY

PAPER-I

APPLIED PATHOLOGY & APPLIED MICROBIOLOGY

Time: 3 Hours

Max Marks: 80

Note: Answer all questions

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

Answer **Part-A & Part- 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 an essay on any ONE of the following:

1 X 10 = 10

1. Define Ischemic heart disease (IHD). Enumerate types, pathophysiology and complications of IHD.
2. Discuss the definition, morphological types of anemia and diagnosis of each type of anemia.

Write a short note on any THREE of the following:

3 X 5 = 15

3. Pathophysiology of Bronchial Asthma.
4. Effects of hypertension.
5. Congenital heart diseases.
6. Restrictive pulmonary diseases.
7. Hemophilia.

Write briefly on any FIVE of the following:

5 X 3 = 15

8. Dilated cardiomyopathy.
9. Pleural effusion.
10. Acute Glomerulonephritis.
11. Preventive measures of Atherosclerosis.
12. Complications of Aneurysms.
13. Indications of dialysis.
14. Lab tests to diagnose bleeding disorders.

APPLIED MICROBIOLOGY

Part-B (40 Marks)

Write an essay on any ONE of the following:

1 X 10 = 10

15. Classify instruments and enumerate appropriate methods of sterilization of instruments.
16. Explain in detail about antimicrobial resistance along with examples.

Write a short note on any THREE of the following:

3 X 5 = 15

17. Infections spread by body fluids and its prevention.
18. Procedure of autoclaving.
19. Microbiological surveillance and its importance.
20. Four areas of CSSD (central sterilization supply department).
21. One atmosphere uniform glow discharge plasma (OAUGDP).

Write briefly on any FIVE of the following:

5 X 3 = 15

22. Disinfectants.
23. Hepatitis A.
24. Direct surface agar plating technique.
25. Any 3 diseases spread by faeco oral route.
26. Ventilator associate pneumonia.
27. Fumigation of OT.
28. Catheter related infections.
