

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA STATE, WARANGAL – 506 002
BPT SECOND YEAR DEGREE EXAMINATIONS: JANUARY, 2025
PATHOLOGY AND MICROBIOLOGY

Time: 3 Hours

Max Marks: 80

Note: 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

Part-A (PATHOLOGY) 40 Marks

Write an essay on the following:

1 X 10 = 10

1. a) What are the causative agents and mode of transmission of Tuberculosis? Write briefly about Pathogenesis and Laboratory Diagnosis.
(2+3+3+2)

OR

- b) Define and Classify Pneumonia. Describe its Pathogenesis. What are the etiological factors and pathologic changes involved in Lobar Pneumonia.
(1+1+3+2+3)

Write a short note on the following:

4 X 5 = 20

2. Shock.
3. Obesity.
4. HIV Infection.
5. Poliomyelitis.

Write briefly on the following:

5 X 2 = 10

6. Define gangrene and name various types of Gangrene.
7. Describe the four Cardinal Features of tetralogy of Fallot.
8. Describe four features to differentiate benign from Malignant Neoplasm.
9. Define Emphysema and name the various types of Emphysema.
10. Characteristics Features of Gouty Arthritis.

Part-B (MICROBIOLOGY) = 40 Marks

Write an essay on the following:

1 X 10 = 10

11. a) Name the Picorna Viruses. Discuss Pathogenesis and Laboratory diagnosis of Poliomyelitis.

OR

- b) Name the various Antigen-Antibody Reactions. Describe the principles and applications of precipitation reactions giving Suitable examples.

Write a short note on the following:

4 X 5 = 20

12. Robert Koch.
13. Bacterial growth curve.
14. Infections caused by Staphylococci.
15. Types of Hypersensitivity reactions.

Write briefly on the following:

5 X 2 = 10

16. Mycotoxins.
17. Flagella.
18. Pasteurization.
19. Innate Immunity.
20. Bacterial Vaccines.
