

PAPER CODE: BP811 A& B

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002
BPT SECOND YEAR DEGREE EXAMINATIONS: JANUARY 2026
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) Define and classify anemia. Write in detail about the clinical manifestation and laboratory diagnosis of Iron Deficiency Anaemia. (3+3+4)
OR
b) Define Necrosis. Write about the morphology in different types of Necrosis with example. (2+3+3+2)

Write a short note on the following: **4 X 5 = 20**

2. Osteogenic Sarcoma.
3. Lipoma.
4. Lepromatous leprosy.
5. Chronic Bronchiectasis.

Write briefly on the following: **5 X 2 = 10**

6. Vitamins C Deficiency.
7. Granuloma.
8. CSF findings in Bacterial Meningitis.
9. Shock.
10. Wet Gangrene.

PART-B (MICROBIOLOGY) = 40 Marks

Write an essay on the following: **1 X 10 = 10**

11. a) Define and classify Hypersensitivity Reactions. Write in detail about the mechanism, clinical manifestations and laboratory diagnosis of Type 1 Hypersensitivity. (3+4+3)
OR
b) Define and classify Immunity. Write in detail about the mechanism of acquired immunity and its uses to prevent diseases with suitable examples. (2+4+4)

Write short note on the following: **4 X 5 = 20**

12. Wound infections and their laboratory diagnosis.
13. Urinary Tract Infection.
14. Intestinal Amoebiasis.
15. Autoclave- working principle, uses.

Write briefly on the following: **5 X 2 = 10**

16. Adjuvant.
17. DPT vaccines.
18. MDR-TB.
19. Four organisms causing Urinary Tract Infections.
20. Four virulence factors of Bacteria.
