

PAPER CODE:BD151A&B

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

Time: 3 Hours

Max Marks: 70

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 (General Pathology) = 35 Marks

Write an essay on the following:

1 X 9 = 9

1. Define Inflammation. Describe the major events of Acute Inflammation with a note on its outcome.

Write a short note on the following:

4 X 4 = 16

2. Metaplasia.
3. Fracture Healing.
4. Chemical Carcinogenesis.
5. Tuberculoid Leprosy.

Write briefly on the following:

5 X 2 = 10

6. Virchow's Triad.
7. Types of pathological calcification with examples.
8. CVC Spleen.
9. Vitamin C Deficiency.
10. Eosinophilia.

Part-B (Microbiology) = 35 Marks

Write an essay on the following:

1 X 9 = 9

11. List the Anaerobes of infections in oral cavity and describe the methods of Anaerobic Cultivation of Bacteria.

Write a short note on the following:

4 X 4 = 16

12. Narrate the types of Immunoglobulins and describe the structure of IgG.
13. Describe Treponema Pallidum. Lab diagnosis of Syphilis with special reference to Serological tests.
14. Vaccination of Poliomyelitis. The advantages and disadvantages of the types used.
15. Modes of transmission of infection of Microbes.

Write briefly on the following:

5 X 2 = 10

16. Primary and secondary organs of the Immune System.
17. Inclusion bodies in Viral Infection.
18. Sterilization by Moist Heat with reference to below 100°
19. Horizontal gene transfer in bacteria, mention methods and their application.
20. Actinomycosis and Mycetoma.
