

Q.P. CODE: M102B030**Dr. NTR UNIVERSITY OF HEALTH SCIENCES, AP, VIJAYAWADA-520 008****MBBS DEGREE EXAMINATION: JANUARY, 2025****SECOND M.B.B.S. EXAMINATION****PATHOLOGY PAPER - I****(Theory Questions)****Time: 2 Hour 40 Minutes****Max Marks: 80****Note: Answer all questions.****Draw a neat diagram wherever necessary**

SECTION-II (THEORY QUESTIONS - 80 MARKS)**WRITE ESSAY ON THE FOLLOWING:****2 X15 = 30**

1. A 50-year-old woman reported having no energy and feeling tired all the time. She also complained of tingling and numbness of extremities since 1 year. On examination, she was pale, no hepatosplenomegaly or lymphadenopathy. Peripheral smear showed macro ovalocytes.

- What is the probable diagnosis?
- Enumerate the pathogenesis of the same.
- Enumerate peripheral smear and bone marrow examination findings in this condition.

2. A 30-year-old male patient being treated for pneumonia developed shortness of breath. On examination, systolic BP was 50 mmHg, with cold and clammy extremities.

- What is the most probable diagnosis?
- Enumerate the pathogenesis of the same.
- Enumerate the etiology and stages of the same.

WRITE SHORT NOTES ON THE FOLLOWING:**10x5=50**

3. Necrosis
4. Healing by second intention
5. FNAC (Fine Needle Aspiration Cytology)
6. Bombay blood group
7. Elaborate on microbial carcinogenesis
8. Enumerate and describe the cardinal signs and outcomes of acute inflammation
9. Enumerate the differences between hyperemia and congestion
10. Leukemoid reaction
11. Hemophilia
12. Morphology and staining property of amyloidosis
