

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002
B.Sc. (MLT) FINAL YEAR DEGREE EXAMINATIONS: FEBRUARY, 2026
PATHOLOGY-II

Time: 3 Hours

Max Marks: 80

Note: Give Diagrammatic representation wherever necessary

Write an essay on any TWO of the following:

2 X 10 = 20

1. What is Immunohistochemistry? Give overview and applications of IHC.
2. Describe the mechanism of Coagulation and mention the anticoagulants used in the laboratory and specify those used for Coagulation studies.
3. Describe the process of identifying AFB (TB and leprosy) in tissue sections and cytology.

Write a short note on any SIX of the following:

6 X 5 = 30

4. Chemical Sterilization.
5. Rh Typing.
6. Polarizing Microscope.
7. List out methods of Bleeding Time. Describe any one method.
8. List out connective Tissues Stains. Describe about Masson Trichrome Stain.
9. Tests in haemolytic Anaemia's. Method of estimating HbF.
10. Add a note on collection of Blood Sample.
11. Describe the methods of Mounting Specimens.

Write briefly on the following:

10 X 3 = 30

12. RBC Count.
13. Osmotic Fragility.
14. Tissue Culture.
15. Platelet function test.
16. List out Transfusion Reactions.
17. Uses of Flow Cytometry.
18. ESR.
19. PAP Stain.
20. Applications of Cytogenetics.
21. Types of Microtomes.
