

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002
B.Sc. (MLT) SECOND YEAR DEGREE SUPPLEMENTARY EXAMINATIONS: JULY, 2025
PATHOLOGY-I

Time: 3 Hours

Max Marks: 80

Note: Answer all questions

Give Diagrammatic representation wherever necessary

Write an essay on any TWO of the following:

2 X 10 = 20

1. Discuss the various types of interventional cytological technique and their indications.
2. Discuss the pleural fluid analysis in non neoplastic of diseases.
3. Explain the uses of
 - a) Phase contrast microscope. b) fluorescent microscope.
 - c) Polarising microscope in the laboratory.

Write a short note on any SIX of the following:

6 X 5 = 30

4. Coating fixatives in cytology.
5. Preparation and staining procedure for Leishman stain.
6. Mordant.
7. Describe the methodology of tissue processing.
8. Tests for proteins in urine.
9. Exfoliative cytology.
10. Progressive staining.
11. Describe grossing techniques.

Write briefly on the following:

10 X 3 = 30

12. Crush smear cytology.
13. CSF total and differential counts.
14. Preparation of 10% formation solution.
15. Angles in section cutting.
16. Bronchial aspiration.
17. Mention hemoparasites.
18. Tests for ketone bodies in Urine.
19. Procedure for sperm count.
20. Types of hematoxylin.
21. Mention the guidelines for specimen collection.
