

**First Year B.Sc Medical Imaging Technology Degree Regular  
Examinations November 2024**

**Paper III – Pathology  
(2023 Scheme)**

**Time: 3 Hours**

**Total Marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essay**

**(2x15=30)**

1. Define inflammation. Mention cardinal signs of inflammation. Briefly describe vascular and cellular events in acute inflammation. (2+3+10)
2. Define anemia. Classify anemia. Describe etiopathogenesis, clinical features and laboratory investigations of iron deficiency anemia. (2+5+8)

**Short notes**

**(8x5=40)**

3. Morphological features of lung in tuberculosis
4. Types of embolism
5. Necrosis
6. Difference between benign and malignant tumors
7. Gross and microscopy of myocardial infarction
8. Fibroadenoma
9. Pathogenesis of Diabetes Mellitus
10. Risk factors and morphological features of carcinoma stomach

**Answer briefly**

**(10x3=30)**

11. Rickets
12. Downs syndrome
13. Metaplasia
14. Type 1 hypersensitivity reaction
15. Opportunistic infections in AIDS
16. Nephrotic syndrome
17. Acute appendicitis
18. Retinoblastoma
19. Morphological features of osteosarcoma
20. Squamous cell carcinoma skin