

**First Year B.Sc Radio Therapy Technology Degree Regular  
Examinations October 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*

**Essays:**

**(2x15=30)**

1. Define neoplasia. Enumerate the differences between benign and malignant neoplasms. Describe the pathways of spread of malignant tumors.
2. Describe the etiology, gross features and microscopy of carcinoma cervix.

**Short notes:**

**(8x5=40)**

3. Pathology of Leprosy
4. Fatty change
5. Immune mechanisms in Systemic Lupus Erythematosus (SLE)
6. Infective endocarditis
7. Acute myeloid leukemia
8. Down's Syndrome
9. Gangrene
10. Biological effects of radiation

**Answer briefly:**

**(10x3=30)**

11. Renal Calculi
12. Fibro adenoma breast
13. Candidiasis
14. Vitamin A deficiency
15. Orchitis
16. Psoriasis
17. Metaplasia
18. Chronic cholecystitis
19. Microcytic hypochromic Anemia
20. Bronchial Asthma