

**First Year B.Sc Perfusion Technology Degree Supplementary  
Examinations August 2023**

**Pathology**

**(2016 Scheme)**

**Time: 3 Hrs**

**Max. Marks:80**

- *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:**

**(2x10=20)**

1. Enumerate the various anticoagulants used in hematology. Discuss the uses, advantages and disadvantages of any one of them. (4+2+2+2)
2. Enumerate the types of urinary sediments and describe the various crystals seen in urine (5+5)

**Short Notes:**

**(6x5=30)**

3. Decalcification agents in Histopathology.
4. PCV
5. Sharpening of microtome knife
6. Fixatives in Histopathology.
7. Direct Coomb's test
8. Methods for detection of proteins in urine

**Answer briefly:**

**(10x3=30)**

9. Rh blood group
10. Hematoxylin and Eosin stain
11. Bleeding time
12. Mountants in Histopathology.
13. Specific gravity of urine
14. Universal donor
15. ESR
16. Examination of CSF
17. Parasites seen in feces.
18. Types of microtome knife