

**Q.P. CODE: 104016**

**Reg. No: .....**

**First Year B.Sc Perfusion Technology Degree Examinations, August 2017**

**Pathology**

**Time: 3 Hrs**

**Max. Marks:80**

- Answer all questions
- Draw diagram wherever necessary

**Essays:**

**(2x10=20)**

1. Enumerate the various anticoagulants used in hematology. Discuss the uses, advantages and disadvantages of any one. (4+2+2+2)
2. Describe the steps in processing of Biopsy specimens. Mention two examples of reagents used in each steps. (4+6)

**Short notes:**

**(6x5=30)**

3. PCV
4. Crystals in urine
5. Tissue fixatives
6. Blood grouping & Cross matching
7. Methods for detection of bile pigments in urine
8. Different methods of ESR estimation. What are the factors affecting it

**Answer briefly:**

**(10x3=30)**

9. Plasma proteins
10. Specific gravity of urine
11. Universal donor
12. WBC pipette
13. CSF finding in different types of meningitis
14. Parasites seen in stool
15. Types of microtome knives.
16. Rh blood group
17. Haematoxylin and eosin stain
18. Bleeding time

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