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**Rajiv Gandhi University of Health Sciences, Karnataka**

II Year B.Sc. (M.L.T) Degree Examination – APRIL 2017

**Time: Three Hours****Max. Marks: 80 Marks****PATHOLOGY – II (RS - 2)****Q.P. CODE: 1233**

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

**LONG ESSAYS (Answer any Two)****2 x 10 = 20 Marks**

1. Name the different types of Microtomes and write in detail on any one.
2. Write on the normal coagulation mechanism in the blood.
3. What are the different tests done to measure HbF, HbS, HbA2 and other abnormal Hemoglobins?

**SHORT ESSAYS (Answer any Six)****6 x 5 = 30 Marks**

4. Describe normal and abnormal RBCs.
5. Write on the procedure of needle aspiration biopsy of bone marrow.
6. How do you carry out Schilling Test and write its importance?
7. What are the methods to demonstrate LE cell in the blood?
8. Write briefly on Electron microscopy?
9. Write on the tests for fibrinolytic activity in the blood?
10. Write briefly on Platelet function tests.
11. What is the importance of quality control in Hematology Lab?

**SHORT ANSWERS (Answer any Ten)****10 x 3 = 30 Marks**

12. Name the different methods of Hemoglobin Electrophoresis?
13. How do you record the results of Osmotic fragility test?
14. What is the importance of assay of clotting factor VIII?
15. What are the advantages of a Cryostat?
16. Write on normal Haemopoiesis?
17. How an automatic slide stainer useful in Pathology lab?
18. Name the various mounting media used to mount specimens in museum.
19. What is Hematocrit and mention the methods to determine it?
20. What are the tests to demonstrate sickle cell?
21. How are computers helpful in the lab?
22. Write on the advantage of filing slides in the pathology lab?
23. What is a frozen section and how does it differ from a routine paraffin section?

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