# Rajiv Gandhi University of Health Sciences, Karnataka
## II Year B.Sc. (M.L.T) Degree Examination – May 2016

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 Romanowsky stains. What is the principle of Leishman stain. How is it prepared?

2. Describe frozen section and its uses. Add a note on fat stains.

3. What is Megaloblastic Anaemia? List the Lab Investigations for the Diagnosis of Megaloblastic Anaemia &Iron Deficiency Anaemia.

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

4. Steps in tissue processing.
5. Quality control in a Hematology laboratory
6. Platelet function tests
7. Fluorescent microscope
8. Methods of blood collection & procedure
9. Bleeding time
10. Abnormal Haemoglobin pigmounts
11. Embedding media

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

12. Honing and Stropping
13. Computers in pathology
14. Pathways of blood co-agulation
15. Leishman stain
16. Name the diluting fluid used for WBC count. Write its composition
17. Define a) cutting angle, b) clearance angle
18. What is the normal platelet count? Write two causes of thrombocytopenia.
19. Write the constituents of Van Gieson stain.
20. Define Haematocrit and list the methods to estimate it.
21. List the different types of microtomes
22. Types of jars used for mounting specimens.
23. Give three examples of automation in a histopathology laboratory.

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