



## Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. (M.L.T) Degree Examination – APRIL-2019

**Time: Three Hours**

**Max. Marks: 80 Marks**

### **PATHOLOGY – II (RS - 3)**

### **Q.P. CODE: 3158**

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. Describe haemoglobin electrophoresis.
2. Preparation and staining of blood films.
3. Mechanism of blood coagulation and fibrinolytic system.

#### **SHORT ESSAYS (Answer any Six)**

**6 x 5 = 30 Marks**

4. Microtome knives and sharpening of knives.
5. Describe electron microscope.
6. Describe various anticoagulants used in haematology.
7. Sickling test.
8. Reticulocyte count.
9. Prothrombin time and partial thromboplastin time.
10. Test for autoimmune haemolytic anemia.
11. Application of computers in pathology laboratory.

#### **SHORT ANSWERS (Answer any Ten)**

**10 x 3 = 30 Marks**

12. LE cells.
13. Fluorescent microscope.
14. Formed elements of blood with diagram.
15. Special stains for lipids
16. Bleeding time and clotting time.
17. Test for FDP.
18. Quality control.
19. Normal counts of RBC, WBC and platelets.
20. Leuckart's Block.
21. Stains used in Leukaemias.
22. Honing and stropping.
23. What is regressive and progressive staining?

\*\*\*\*\*

