



Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. (MLT) Degree Examination - May 2016

Time: Three Hours

Max. Marks: 80 Marks

Pathology – Paper II (RS-3 Scheme)

Q.P. CODE: 3158

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY (Answer any Two)

2 x 10 = 20 Marks

1. Describe the following tests used in investigation of anaemia.
 - a) Schilling test
 - b) Vitamin B12 and folate assay
 - c) Estimation of serum iron and iron binding capacity.
2. Describe the methods of collection of blood and anticoagulants used.
3. Describe the automated tissue processor. Add a note on use of microtomes and staining of tissue sections.

SHORT ESSAY (Answer any Six)

6 x 5 = 30 Marks

4. Briefly describe maintenance of records and filing of slides.
5. Describe uses of fluorescent and dark ground microscope.
6. Describe procedure of Reticulocyte count.
7. Describe stem cells and applications of stem cell therapy.
8. Briefly describe microphotography and its applications.
9. Describe the tests for autoimmune hemolytic anaemia.
10. Briefly describe assay of coagulation factors.
11. How do you measure Haematocrit? What is the significance of Haematocrit?

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

12. What is osmotic fragility test?
13. Describe staining of tissue section to demonstrate carbohydrates.
14. What is Sickling test?
15. What are uses of frozen section?
16. Describe method of determining HbF.
17. What is absolute eosinophil count? Give their normal value.
18. Name RBC indices and give their normal value.
19. Describe test of Fibrinolytic activity.
20. What are the indications of electron microscopic study of tissue?
21. What are the features of LE cell?
22. How do you measure abnormal haemoglobin pigments?
23. What are the methods of bone marrow study?

