



## Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (MLT) Degree Examination - 28-Aug-2020

**Time: Three Hours**

**Max. Marks: 80 Marks**

### **PATHOLOGY – PAPER III (RS-3)**

**Q.P. CODE: 3161**

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

#### **LONG ESSAY (Any Two)**

**2 x 10 = 20 Marks**

1. Write a note on different blood grouping systems. Discuss the different methods to perform blood grouping and typing.
2. Discuss culture of peripheral blood lymphocytes. Add a note on the different banding techniques.
3. Discuss methods of collection, fixation, processing and staining of cytological specimens.

#### **SHORT ESSAY (Any Six)**

**6 x 5 = 30 Marks**

4. What is Du? How it is detected?
5. List the subgroups of Blood group A. How are they detected and confirmed?
6. What are the different blood collection systems available?
7. Uses and advantages of FNAC
8. Haemolytic disease of newborn
9. Nomenclature of chromosomes
10. Crossmatching of blood
11. List any three donor adverse reactions and their preventive measures.

#### **SHORT ANSWERS (Any Ten)**

**10 x 3 = 30 Marks**

12. Sex chromatin identification
13. Name five normal components of cervical smear.
14. Autologous blood transfusion
15. Name any three minor blood group systems.
16. Cryoprecipitate
17. MGG stain
18. Bombay blood group
19. Direct Coomb's test
20. List three reasons for donor deferral.
21. Chromosomes in cancer
22. Karyopynotic index
23. List three fixatives used in cytology.

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