

# Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (MLT) Degree Examination - 22-May-2025

**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. Enumerate the blood group systems. Discuss their applications in transfusion practice.
2. Enumerate the types of structural abnormalities in chromosomes with examples.
3. Discuss in brief about the anatomy histology and physiology of respiratory tract.

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

**6 x 5 = 30 Marks**

4. Blood donor selection
5. Image analysis
6. Sex chromatin identification
7. Shorr's stain
8. HLA antigens and their significance
9. Carbon dioxide incubator
10. Fine needle aspiration cytology
11. Preservation of Immortalized cell lines

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

**10 x 3 = 30 Marks**

12. Care of microscope
13. ACD solution
14. Pap smear finding in carcinoma cervix
15. Bombay blood group
16. Major cross matching
17. Triploidy
18. Uses of inverted microscope
19. Maturation index
20. CSF in viral meningitis
21. Principles of plasmapheresis
22. Normal cytology of urine sediment
23. Translocation

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