

## Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (M.L.T) Degree Examination – SEP-2016

Time: Three Hours

Max. Marks:80 Marks

### **PATHOLOGY - III (RS-2)**

**Q.P. CODE: 2903**

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. What are the methods of collection of samples for cytological examination? Describe in detail all the steps in preparation and staining of a vaginal smear.
2. Describe criteria for ideal blood bank. Add note on blood bank organization.
3. What is ideogram? Explain the method of Karyotype analysis of Human chromosomes.

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

**6 x 5 = 30 Marks**

4. Describe briefly ABO and Rh typing.
5. Preparation of monoclonal antibody
6. Demonstration of Barr body in buccal smears
7. Describe cytology of effusions in malignant and non-malignant conditions.
8. Cross-matching techniques
9. Cytological screening programme for cervical cancer
10. Discuss various cytological fixatives.
11. Describe the procedure of Fine Needle Aspiration. Mention the uses of Fine Needle Aspiration Cytology.

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

**10 x 3 = 30 Marks**

12. Screening for Australia antigen
13. Normal cytology of urine sediment
14. Enumerate blood group systems.
15. Cytology of Cerebrospinal fluid
16. Transfusion transmitted diseases
17. Write briefly about the nomenclature of the human chromosomes.
18. Triploidy
19. Preparation of cell block
20. Fresh frozen plasma
21. Maturation index
22. Preparation and uses of bone marrow imprint smears
23. Chromosomes in neoplasia

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