

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**Third Year B.Sc. Medical Laboratory Technology Degree Examination – 11-May-2026**

**Time: Three Hours**

**Max. Marks: 100**

**PATHOLOGY – III (RS-4)**

**Q.P. CODE: 3284**

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

**LONG ESSAYS (Second Question Choice)**

**2 x 10 = 20 Marks**

1. Describe the normal cytology of female genital tract. Add a note on the Bethesda system
2. Enumerate blood transfusion reactions. Write on investigations of transfusion reactions

**OR**

Describe the methods of compatibility testing

**SHORT ESSAYS (Question No 5 & 10 choice)**

**10 x 5 = 50 Marks**

3. Cytology of squamous cell carcinoma of cervix
  4. Platelet Apheresis Technique
  5. Haemolytic disease of newborn
- OR**
- List the subgroups of blood group A. how are they detected and confirmed?
6. Automation in cytology
  7. Principle of Immuno cytochemistry
  8. What is Du? How it is detected?
  9. Rapid Pap stain
  10. Describe cytology of effusions in malignant and non-malignant conditions
- OR**
- Image analysis
11. Broncho alveolar lavage
  12. Oncogenes

**SHORT ANSWER**

**10 x 3 = 30 Marks**

13. Bombay blood group
14. Write three anti-coagulants used in blood bank
15. Normal histology of thyroid gland
16. List four common sites of FNAC
17. Cryoprecipitate
18. What is dry and wet fixation?
19. CSF in pyogenic meningitis
20. List three transfusion transmitted diseases
21. Fresh frozen plasma
22. Importance of Ph system

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