

## Rajiv Gandhi University of Health Sciences, Karnataka

### I Year B.Sc. Allied Health Sciences Degree Examination – OCT-2019

**Time: Three Hours****Max. Marks: 80 Marks****PATHOLOGY**

(RS3 – Medical Laboratory Technology, Medical Imaging Technology and Radiotherapy Technology  
RS2 – Operation Theatre Technology, Cardiac Care Technology, Perfusion Technology, Renal  
Dialysis Technology, Respiratory Care Technology, Anaesthesia Technology and Neurosciences  
Technology)

**Q.P. CODE: 3154****(QP contains two pages)**

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary

**SHORT ESSAYS (Answer Any Eight)****8 x 5 = 40 Marks**

1. CSF analysis
2. Discuss the various methods of urine collection.
3. Decalcification
4. Sputum examination
5. Freezing microtome
6. Red blood cell indices
7. Name the steps involved in tissue processing. Write a note on dehydration.
8. Packed cell volume
9. Quality control in Hematology laboratory
10. Embedding

**SHORT ANSWERS (Answer Any Ten)****10 x 3 = 30 Marks**

11. Prothrombin time
12. Tests for glucose in urine
13. Stages of erythrocyte sedimentation rate
14. Bence-Jones Protein
15. Sahli's method of haemoglobin estimation
16. Mention the methods for blood grouping.
17. Urinary casts
18. What is the normal total leucocyte count and mention the composition of WBC diluting fluid?
19. Write a note on Biomedical waste management.
20. Mention three causes of Hematuria.
21. Describe an ideal peripheral blood smear.
22. Tests for blood in urine

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### TO THE POINT ANSWERS (Answer Any Five)

5 x 2 = 10 Marks

23. Two causes for Oliguria
24. Mention two transfusion transmitted infections.
25. Name two grossing instruments.
26. Fouchet's test
27. Name various body fluids.
28. Name four abnormal forms of spermatozoa.
29. Name the screening tests for coagulation.

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