

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. MLT Degree Examination – Aug 2013

Time: Three Hours

Max. Marks: 80 Marks

PHYSIOLOGY (RS3)

Q.P. CODE: 3152

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. Explain the intrinsic mechanism of coagulation. Write the mechanism of action of any two anticoagulants.
2. Discuss briefly the electrical properties of cardiac muscle.
3. Explain excitation-contraction coupling.
4. Functions of saliva
5. Erythroblastosis foetalis
6. Briefly describe the mechanics of ventilation.
7. Define GFR. Enumerate the factors affecting GFR. Explain any one.
8. Enumerate the functions of thyroid hormone.
9. Discuss any three properties of reflexes.
10. Explain the features seen in diabetes mellitus.

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

11. *Tabulate any two differences between first and second heart sounds*
12. Functions of lymph
13. Name the components of the conducting system of the heart.
14. Trace the visual pathway.
15. Any three differences between myelinated and non-myelinated nerve fibre
16. Define jaundice and its types.
17. Draw a Spirogram and label it.
18. *State the Landsteiner's law of Blood grouping*
19. Name the phases of deglutition.
20. What is Rouleaux formation?
21. Define ovulation. Give its hormonal basis.
22. Draw the structure of a synapse.

TO THE POINT ANSWERS (Answer any Five)

5 x 2 = 10 Marks

23. What is MCV? Give its normal value.
24. Define artificial kidney.
25. Gastrin
26. Define intrapleural pressure. Give its normal value.
27. List the anterior pituitary hormones.
28. Haemophilia
29. Define cardiac output.
