

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – I Degree Examination - DEC-2014

Time: Three Hours

Max. Marks: 100 Marks

Physiology – I (RS2 & RS3)

Q.P. CODE: 1077

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

1. Define blood pressure. Describe its regulation in detail.
2. Describe in detail how urine is concentrated in the kidney.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Oxygen dissociation curve
4. 'Poiseuille Hagen Law' and its application
5. Vital capacity
6. What are the phases of Deglutition? Describe the 2nd phase.
7. Describe the regulation of Salivary secretion.
8. Functions of large intestine
9. Intrinsic pathway of coagulation
10. Functions of Reticulo – endothelial system
11. Describe Periodic breathing.
12. Classify Plasma proteins. Give their functions.

SHORT ANSWERS

10 x 3 = 30 Marks

13. What is Triple response?
14. List the differences between 1st and 2nd Heart sounds.
15. What is Micelle formation? What are its functions?
16. Name two Anticoagulants. Give their mechanism of action.
17. List the functions of 'B' lymphocytes.
18. What is the normal value of Inulin clearance? What is its significance?
19. What is Dysbarism?
20. Simple diffusion
21. Functions of Surfactant
22. Intercalated disc and its significance
