

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – I Degree Examination - 09-May-2022

Time: Three Hours**Max. Marks: 100 Marks****PHYSIOLOGY – I (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 cardiac cycle and give its normal duration. Describe the mechanical events that take place during a cardiac cycle with help of a diagram.
2. Define immunity and give the types of immunity. Describe the cell mediated immunity and humoral immunity.

SHORT ESSAYS**10 x 5 = 50 Marks**

3. Negative feedback mechanism
4. Functions of plasma proteins
5. Define Erythropoiesis. Describe its stages.
6. Intrinsic mechanism of coagulation.
7. Functions of liver
8. Role of surfactant in lungs
9. Active transport.
10. Regulation of coronary circulation
11. Renin – angiotensin system
12. Define glomerular function rate. Describe the factors affecting it.

SHORT ANSWERS**10 x 3 = 30 Marks**

13. Erythrocyte sedimentation rate.
14. Gastrin.
15. Define and classify hypoxia.
16. Draw a labelled diagram of ECG.
17. Hormones secreted by the kidney
18. Gap junctions.
19. Reticulo-endothelial system
20. Land Steiner law
21. List the phases of deglutition
22. Steatorrhea
