

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – I Degree Examination - 03-Feb-2024

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 arterial blood pressure. Describe the neural regulation of arterial blood pressure
2. Describe the neural regulation of respiration. Add a note on periodic breathing

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

3. Classify the fluid compartment of body giving their normal value. Mention two methods to determine Extra Cellular Fluid Volume
4. Transport across cell membrane
5. Describe the intrinsic method of coagulation.
6. Non-excretory function of kidney
7. Describe the factors affecting glomerular filtration rate.
8. Describe the composition and functions of surfactant.
9. Define hypoxia. Describe its types.
10. Factors affecting cardiac output
11. Morphology and properties of cardiac muscle
12. What is Functional Residual Capacity?? How will you measure FRC and its clinical importance?

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

13. Define Landsteiner's law
14. Draw a neat labelled diagram of ECG.
15. Types of T lymphocytes
16. Explain mechanism of secretion of hydrochloric acid in stomach
17. List the functions of platelets
18. Erythroblastosis Foetalis
19. Enlist liver function test
20. Explain components and functions of bile
21. Functions of plasma proteins
22. Stages of deglutition
