

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – I Degree Examination - 25-Sep-2021

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. Describe the physiological roles of the different types of leucocytes circulating in blood
2. Describe digestion and absorption of fat in the digestive tract. Write a note on steatorrhea

SHORT ESSAYS

10 x 5 = 50 Marks

3. Classify the fluid compartments of body giving their normal values. Mention two methods to determine Extra Cellular Fluid Volume
4. Transport across cell membrane
5. Tissue macrophage system
6. Non-excretory functions of Kidney
7. Cystometrogram and its significance
8. Surfactant
9. Artificial respiration
10. Regulation of coronary circulation
11. Normal ECG in lead II
12. What is Functional Residual Capacity? How will you measure FRC and its clinical importance?

SHORT ANSWERS

10 x 3 = 30 Marks

13. Define Frank-Starling law
14. Cardiac pacemaker potential
15. Caisson's disease
16. Explain mechanism of secretion of hydrochloric acid in stomach
17. List the functions of platelets
18. Erythroblastosis Foetalis
19. Functions of juxtaglomerular apparatus
20. List the functions of Gastrin
21. Functions of plasma proteins
22. List the important functions of saliva
