

Rajiv Gandhi University of Health Sciences, Karnataka
First Phase MBBS Degree Examination – June 2013

Time: Three Hours

Max. Marks: 100 Marks

**PHYSIOLOGY-PAPER I
(RS2 & RS3 SCHEME)
QP 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. Explain the types of movements in different parts of gastrointestinal tract.
2. Explain the principle, method of recording, waves and intervals of electrocardiogram.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Jugular venous pulse
4. Heart sounds and murmurs
5. Oxygen uptake at lungs.
6. Spirogram
7. Role of renal tubular buffers.
8. Calculation of net filtration pressure at glomerulus .
9. Regulation of pancreatic exocrine secretion.
10. Bilirubin metabolism
11. Macrophage system
12. Exocytosis and endocytosis

SHORT ANSWERS

10 x 3 = 30 Marks

13. Pacemaker potential
14. Venous return
15. Fetal hemoglobin
16. Carbon monoxide poisoning
17. Cystometrogram.
18. Sodium reabsorption in proximal convoluted tubule
19. Thrombocytopenic purpura
20. Functions of gall bladder
21. Homeostasis
22. Differences between extracellular fluid and intracellular fluid