



# 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 tube
19. Thrombocytopenic purpura
20. Functions of gall bladder
21. Homeostasis
22. Differences between extracellular fluid and intracellular fluid

