

# Rajiv Gandhi University of Health Sciences, Karnataka

First Phase MBBS Degree Examination - AUG-2017

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. Name the important plasma proteins & explain their functions.
2. Draw a labeled diagram of the conducting system of heart. Explain its importance

### **SHORT ESSAYS**

**10 x 5 = 50 Marks**

3. Intercellular connections
4. Timed vital capacity and its clinical significance
5. Explain the pharyngeal phase of deglutition
6. Classify Hypoxia. Explain any two of them
7. Four functions of stomach
8. Jugular Venous Pulse (J.V.P)
9. Chloride shift
10. Saliva
11. Peculiarities of cerebral circulation
12. Acidification of urine

### **SHORT ANSWERS**

**10 x 3 = 30 Marks**

13. Explain exocytosis and endocytosis with an example for each
14. Resting membrane potential
15. Central cyanosis
16. Cystometrogram
17. List the factors influencing glomerular filtration rate
18. Enumerate any two functions of juxtra glomerular apparatus
19. Explain facilitated diffusion with an example
20. Functions of T-Lymphocyte
21. Functions of thrombocytes
22. P R interval in ECG