

# Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – I Degree Examination - JUNE 2016

**Time: Three Hours**

**Max. Marks: 100 Marks**

## **Physiology – I (RS2 & 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. Classify T lymphocytes. Explain the mechanism of cellular immunity.
2. Briefly describe the transport of oxygen in blood.

### **SHORT ESSAYS**

**10 x 5 = 50 Marks**

3. Facilitated diffusion
4. Mechanism of Fibrinolysis
5. Jugular venous pulse
6. Conducting system of the heart
7. Regulation of cerebral blood flow
8. Caissons disease
9. Enterohepatic circulation
10. Movements of intestine
11. Factors affecting GFR
12. Mechanism and regulation of micturition

### **SHORT ANSWERS**

**10 x 3 = 30 Marks**

13. List six functions of plasma proteins.
14. What is the effect of sympathetic stimulation on pacemaker potential?
15. What is Bainbridge reflex?
16. What is postural hypotension?
17. What is Hering - Breuer reflex?
18. What is pulmonary edema? Name one condition where it is seen.
19. List the functions of Gastrin.
20. What is receptive relaxation?
21. What is the role of vasa recta in counter current mechanism?
22. Functions of large intestine

\*\*\*\*\*