

# Rajiv Gandhi University of Health Sciences, Karnataka

## First Phase MBBS Degree Examination – JULY 2015

**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. Describe the coagulation process in detail. Add a note on tests for coagulation.
2. Explain the regulation of cardiac output.

**SHORT ESSAYS****10 x 5 = 50 Marks**

3. Conducting system of human heart
4. Coronary circulation
5. Lung surfactant.
6. Bohr effect and Haldane effect
7. Cyanosis
8. Macrocytic anemia.
9. Factors affecting glomerular filtration rate
10. Counter current multiplier system
11. Gastrin
12. Secondary active transport.

**SHORT ANSWERS****10 x 3 = 30 Marks**

13. Inulin clearance
14. Parasympathetic innervation of urinary bladder.
15. Chemotaxis
16. Eosinophil
17. Functional residual capacity
18. List forms of transport of Carbon dioxide in blood.
19. Enteric nervous system
20. Composition of bile
21. Conditioned salivary secretion
22. Body fluid compartments