

# Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – SEP-2017

Time: 3 Hours

Max. Marks: 38 Marks

## Physiology

**Q.P. Code : 1754**

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary  
**(Note : Both QP Codes 1753 and 1754 are to be answered within total duration of 3 hours)**

### **LONG ESSAYS (Answer any One)**

**1 x 10 = 10 Marks**

1. Describe the mechanism of respiration.
2. Describe the functions of thyroid hormone. Name the diseases of hypo and hyper secretion of thyroid hormone.

### **SHORT ESSAYS (Answer any Four)**

**4 x 5 = 20 Marks**

3. Describe the functions of testosterone.
4. Name the different types of blood groups. Explain Landsteiner's law.
5. Name the conducting tissues of Heart. Explain the conduction of electrical impulse in the heart.
6. Describe the composition and functions of cerebrospinal fluid.
7. Explain the different stages of menstrual cycle.

### **SHORT ANSWERS**

**4 x 2 = 8 Marks**

8. Draw a neat diagram of neuron and label it.
9. Define cardiac cycle.
10. Explain saltatory conduction in Neurons.
11. Name the hormones of posterior pituitary gland.

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