

# Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase - I Degree Examination - AUG-2017

**Time: Three Hours**

**Max. Marks: 100 Marks**

## **Physiology - Paper II (RS2 & R53)**

**Q.P. CODE: 1078**

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

### **LONG ESSAYS**

**2 x 10 = 20 Marks**

1. Describe any four functions of hypothalamus. Add a note on anorexia nervosa and hypothalamic obesity.
2. Describe the endometrial changes during a normal menstrual cycle. Explain the role of different hormone in each phase. Add a note on tests for ovulation.

### **SHORT ESSAYS**

**10 x 5 = 50 Marks**

3. Accommodation reflex
4. Aqueous humor
5. Dark adaptation
6. Complete transection of the spinal cord
7. Differences between UMN and LMN lesions
8. Functions of Oxytocin
9. Functions of cortisol
10. Functions of growth hormone
11. Neuromuscular blocking agents
12. Isotonic and isometric contraction in skeletal muscle

### **SHORT ANSWERS**

**10 x 3 = 30 Marks**

13. List the hormones of placenta.
14. What is a Motor unit?
15. Mechanisms of heat loss
16. Define chronaxie and rheobase.
17. What is Endocochlear potentials?
18. List the Thyroid function tests.
19. What is Inverse-stretch reflex?
20. List the functions of Aldosterone.
21. List the Endocrine functions of testis.
22. What is Addison's disease?