

# Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – I Degree Examination - DEC-2014

**Time: Three Hours**

**Max. Marks: 100 Marks**

## **Physiology – Paper II (RS2 & RS3)**

**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 the physiological actions of growth hormone. Add a note on gigantism.
2. Describe the input, output, internal connections and functions of cerebellum.

### **SHORT ESSAYS**

**10 x 5 = 50 Marks**

3. Physiological actions of vitamin D
4. Regulation of insulin secretion
5. Intrauterine contraceptive devices
6. Secondary sex characteristics in male
7. Somatosensory area I
8. Decerebrate rigidity
9. Aqueous humor
10. Sensorineural deafness
11. Saltatory conduction
12. Sarcotubular system

### **SHORT ANSWERS**

**10 x 3 = 30 Marks**

13. List the functions of corpus luteum.
14. List the clinical features below the level of lesion in Brown-Sequard syndrome.
15. List four features of upper motor neuron paralysis.
16. Primary taste sensations
17. Name the cortical olfactory areas.
18. Define Near point. Give its clinical significance.
19. Changes during slow wave sleep
20. Recruitment of motor unit
21. What is denervation hypersensitivity?
22. List the functions of skin.

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