



## Rajiv Gandhi University of Health Sciences, Karnataka

MBBS (Phase - I) Degree Examination - JULY 2015

**Time: Three Hours**

**Max. Marks: 90 Marks**

### **PHYSIOLOGY – Paper II (Old Scheme)**

**Q.P. CODE: 1004**

Your answers should be specific to the questions asked  
Draw neat, labeled diagrams wherever necessary

#### **LONG ESSAYS**

**2 x 10 = 20 Marks**

1. Explain the nuclei, connections and functions of thalamus.
2. What is the normal blood calcium? Explain the regulation of blood calcium.

#### **SHORT ESSAYS**

**10 x 5 = 50 Marks**

3. Trace the lateral spinothalamic pathway.
4. Diabetes mellitus
5. Explain muscle spindle.
6. Tests for hearing
7. Hypothalamo hypophyseal portal system
8. Accommodation reflex
9. Parkinson's disease
10. Addison's disease
11. Spermatogenesis
12. Mechanism of action of intrauterine contraceptive device

#### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

13. Synaptic delay
14. Taste buds
15. Circadian rhythm
16. Differentiate between gigantism and acromegaly.
17. List the tests for pregnancy.
18. Effect of insulin on carbohydrate metabolism
19. Permissive action of Glucocorticoids
20. Trace optic pathway.
21. Broca's area
22. Actions of catecholamine on cardiovascular system

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