



Rajiv Gandhi University of Health Sciences, Karnataka

First Phase MBBS Degree Examination - Dec 2012

Time: Three Hours

Max. Marks: 100 Marks

PHYSIOLOGY-PAPER II (RS2 & RS3 SCHEME) QP 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 functions of hypothalamus
2. Describe the hormonal regulation of plasma calcium level. Add a note on hypocalcemic tetany.

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

3. Disorders of growth hormone secretion
4. Cellular mechanism of action of peptide hormones
5. Importance of clinical testing of muscle tone
6. Properties of sensory receptors
7. Visual pigments
8. Taste pathway.
9. Source and actions of dihydrotestosterone
10. Follicular phase of menstrual cycle
11. Myasthenia gravis.
12. Nigrostriatal pathway

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

13. GABA
14. Post rotatory nystagmus.
15. Bitemporal hemianopia
16. Glaucoma
17. Inhibins
18. Semen
19. Electromyogram
20. Absolute refractory period
21. Nonshivering thermogenesis
22. Effects of hypoglycemia

