

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – I Degree Examination - DECEMBER 2015

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 origin, course, termination and functions of pyramidal tract with the help of a diagram. What is hemiplegia and paraplegia?
2. Describe the source, physiological actions and regulation of secretion of thyroxine. Add a note on Myxoedema.

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

3. Functions of middle ear
4. Visual pathway and its lesions at various levels
5. Color blindness
6. Functions of insulin
7. Endometrial changes during Menstrual cycle
8. Hormones regulating lactation
9. Mechanism of skeletal muscle contraction
10. Functions of cerebellum
11. What is the cause, clinical features and treatment of Parkinsonism?
12. Functional properties of smooth muscle

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

13. Draw and label Organ of Corti.
14. List the differences between pituitary dwarf and a cretin.
15. List the features of Hypocalcemic tetany.
16. Draw and label Milk ejection reflex.
17. Wallerian degeneration
18. Draw and label taste pathway.
19. List the features of Thalamic syndrome.
20. List three differences between REM sleep and Slow wave sleep.
21. What is Renshaw cell inhibition?
22. What is Quantal summation?
