



Rajiv Gandhi University of Health Sciences, Karnataka

First Phase MBBS Degree Examination - June 2013

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. Draw a neat labeled diagram of the muscle spindle. Explain how muscle tone is maintained in the body.
2. What are mineralocorticoids? What is their mode of action? Add a note on Conn's syndrome.

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

3. Tabulate the differences between classical decerebration and Ischemic decerebration
4. Contents of middle ear
5. Compare and contrast pyramidal and extra pyramidal systems
6. Mechanism of insulin action at cellular level
7. Accommodation reflex pathway. What is Argyll Robertsons Pupil?
8. What are functions of Hypothalamus?
9. What are the effects of hypophysectomy?
10. What are negative feedback loops?
11. Smell and taste are linked - explain
12. Differentiate between actions of Norepinephrine and Epinephrine

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

13. Macular sparing
14. Explain the basis of polyphagia in diabetes mellitus
15. Feto-placental unit
16. Amacrine and Horizontal cells
17. Oxytocin
18. Inhibin
19. Endogenous pyrogens
20. Infertility in female
21. Features of myxoedema
22. Astrocytes