

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase - I Degree Examination – 03/Oct/2025

Time: Three Hours**Max. Marks: 100 Marks****PHYSIOLOGY - II (RS3)****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 and regulation of glucocorticoids. Add a note on Cushing's syndrome.
2. Describe the connections and functions of cerebellum. Explain the tests and disorders of cerebellum.

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

3. Functions and mechanism of action of Insulin
4. Menstrual cycle
5. Excitation-contraction coupling
6. Describe the Pathway for pain. Add a note on referred pain.
7. Milk ejection reflex
8. Functions of Limbic system
9. Explain any three properties of skeletal muscle
10. Theories of hearing
11. Visual pathway and its lesions
12. Functions of placenta

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

13. What are the normal waves of EEG? What is alpha block?
14. Functions of ADH. Add a note on diabetes insipidus
15. What is motor unit? Give its physiological importance.
16. Olfactory pathway and its disorders
17. What is **deafness**? Mention its types
18. Compare isotonic and isometric contractions in skeletal muscle
19. Phantom limb
20. Ovulation
21. Contraceptive pills
22. Hyperthyroidism
