

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase - I Degree Examination – 17-Aug-2024

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 connections and functions of basal ganglia. Add a note on its clinical disorders.
2. Describe the synthesis and functions of thyroid hormones. Add a note on its clinical disorders.

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

3. Cushing's syndrome
4. Testosterone
5. Pregnancy tests
6. Placental hormones.
7. Compare skeletal muscle with smooth muscle
8. Neuromuscular junction
9. Differences between REM and NREM sleep.
10. Color vision and color blindness
11. Visual pathway and its clinical disorders
12. Hemi section of the spinal cord

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

13. Oxytocin
14. Source and actions of i) Relaxin ii) Inhibin.
15. Functions of parathormone.
16. Prefrontal lobe
17. Functions of Aldosterone
18. Rods and cones
19. Astigmatism
20. Travelling wave theory of hearing
21. Draw the diagram of a strength duration curve. Define Chronaxie and Rheobase
22. Acromegaly
