

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – I Degree Examination - 29-Mar-2021

Time: Three Hours

Max. Marks: 100 Marks

PHYSIOLOGY – II (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 physiological actions of insulin.
2. Describe the theories of colour vision. Add a note on colour blindness.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Effects of cortisol on inflammation and allergy
4. Effects of thyroid hormone on cardiovascular and central nervous system
5. Ovarian changes during menstrual cycle
6. Endogenous analgesia system
7. Inverse stretch reflex
8. Reflex activities in the recovery phase following section below C₅.
9. Otolith organs
10. Hypothalamic regulation of food intake
11. Length-tension relationship in skeletal muscle
12. Blockers of neuromuscular transmission

SHORT ANSWERS

10 x 3 = 30 Marks

13. Wernicke's area
14. List the clinical features of cretinism.
15. Mullerian inhibiting substance
16. List three indicators of ovulation.
17. What is the ionic basis of Excitatory postsynaptic potential?
18. List three features of Thalamic syndrome.
19. Name the tests for hearing.
20. List the changes occurring during Accommodation reflex.
21. What is post-tetanic potentiation?
22. List the changes occurring on exposure to cold environment.
