

# Rajiv Gandhi University of Health Sciences, Karnataka

## MBBS Phase – I Degree Examination - 26-Nov-2020

**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 molecular mechanism of skeletal muscle contraction.
2. Describe the physiological actions of parathyroid hormone. List the effects of parathyroidectomy.

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

3. Diabetes insipidus
4. Steps of thyroid hormone synthesis
5. Uterine changes during menstrual cycle
6. Blood-testis barrier
7. Colour blindness
8. Functions of thalamus
9. Draw and label Corticospinal tracts.
10. Control mechanisms of slow wave sleep
11. Refractive errors of eye
12. Changes following nerve injury

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

13. Amenorrhea – galactorrhea syndrome
14. Enumerate the features of lower motor neuron paralysis.
15. What is dissociated anaesthesia? Name one condition where it is seen.
16. What is Motor aphasia? Where is the site of lesion?
17. What is Nystagmus? Name one condition where it is seen.
18. Draw and label Taste pathways.
19. What is tympanic reflex?
20. Draw and label an Olfactory receptor cell.
21. Draw a Strength duration curve.
22. What is Malignant hyperthermia?

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