

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - I Degree Examination - July 2008

Time: 3 Hrs.

[Max. Marks: 100]

PHYSIOLOGY - PAPER II (Revised Scheme)

QP Code: 1054

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 9 = 18 Marks

1. Describe the role of different hormones in growth and development of breast. What is the role of prolactin and oxytocin in lactation
2. Describe the connections and functions of cerebellum

SHORT ESSAY

10 X 5 = 50 Marks

3. Describe the actions of parathyroid hormone
4. Explain the actions of oestrogen
5. Explain the actions of Testosterone
6. Define and classify synapses. Explain the properties of occlusion and subliminal fringe
7. Describe the role of hypothalamus in regulation of food and water intake
8. Define Fatigue. Explain the factors affecting fatigue. Why does the cardiac muscle not become fatigued?
9. Define muscle tone. Explain reflex regulation of muscle tone
10. Describe the refractive errors of eye. How are they corrected?
11. Trace auditory pathway
12. Define visual acuity. Describe factors affecting it

SHORT ANSWERS

16 X 2 = 32 Marks

13. Clinical features of cretinism
14. Explain the factors affecting spermatogenesis
15. Explain the mechanism of action of steroid hormones
16. List hormones regulating menstrual cycle
17. Define sleep. Explain the characteristic features of REM sleep
18. Define sensory unit and dermatome
19. Enumerate the functions of medulla oblongata
20. Explain the mechanism of presynaptic inhibition
21. What is Myasthenia Gravis? Describe the basis of its treatment
22. Draw and label sarcomere
23. Draw and label strength-duration curve
24. What is blind spot? Why it is blind?
25. Describe the importance of tympanic reflex
26. Describe the circulation of aqueous humour
27. Explain the factors affecting body temperature
28. Describe the mechanism by which body loses heat
