

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - I Degree Examination - December 2010

Time: 3 Hrs.

[Max. Marks: 90]

PHYSIOLOGY - PAPER II (Old Scheme)

QP Code: 1004

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

LONG ESSAY

2 X 10 = 20 Marks

1. Trace the visual pathway. Explain briefly the effecting lesion at any six levels in its course
2. Describe the steps in the synthesis of thyroid hormones. Indicate two sites where antithyroid drugs act and specify the substance at each

SHORT ESSAY

10 X 5 = 50 Marks

3. Explain the role of synapses
4. Explain changes during Wallerian degeneration and regeneration of injured nerve fibre
5. Describe the actions of oestrogens on the non-pregnant uterus. Name two sources of oestrogens
6. Explain the genesis of EPSP and IPSP. Name one inhibitory and one excitatory neurotransmitter
7. Describe the handling of filtered glucose by renal tubules
8. In a tabular column compare the features of upper motor neuron lesions and lower motor neuron lesions
9. Name the posterior pituitary hormones. Explain their action
10. Describe the functions of thalamus. Add a note on thalamic syndrome
11. Describe how pitch is determined by internal ear
12. What is juxtaglomerular apparatus? What are its functions?

SHORT ANSWERS

10 X 2 = 20 Marks

13. Name the receptors for hearing. List two special features of auditory pathway
14. Explain the basis of acromegalic features
15. Name any four mechanoreceptors
16. Define amenorrhoea and menopause
17. Functions of pyramidal tract
18. Name functions of rods and cones
19. List features of hypoglycaemia
20. Name two secondary sexual characteristics of females
21. How do you distinguish between diabetes mellitus and diabetes insipidus by examination of urine?
22. What is corpus luteum?

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