

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - I Degree Examination June 2013

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. Describe the synthesis and functions of thyroxine
2. Draw neat diagram of muscle spindle & explain its role in maintaining muscle tone

SHORT ESSAY

10 X 5 = 50 Marks

3. Describe actions of oestrogen
4. Name the primary taste sensations & trace the taste pathway
5. What are the compensatory changes initiated in response to cold
6. Photo transduction
7. Pathway of internal analgesic system
8. Physiological changes in mother during pregnancy
9. Mention four features of cushing's syndrome and actions of glucocorticoid responsible for the same
10. Describe briefly important connections & functions of neocerebellum
11. Plantar reflex and its clinical significance
12. Explain how hypothalamus controls secretion of pituitary gland

SHORT ANSWERS

10 X 2 = 20 Marks

13. Purkinje Samson images
14. Two functions of frontal lobe
15. Explain with example permissive actions of hormones
16. Retrograde amnesia
17. What is visual acuity? How is normal visual acuity expressed
18. Name any four hyperglycemic hormones
19. What is meant by proprioceptive sensation? What type of receptor mediate it
20. Name hormones of placenta
21. Milk ejection reflex
22. Name receptors to detect gravitational force and rotational movements

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