

# 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 II)

### QP Code: 1078

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

#### LONG ESSAY

2 X 10 = 20 Marks

1. Explain the interplay between ovarian and hypothalamic - pituitary hormones for regulation of menstrual cycle
2. Draw a diagram showing physiological anatomy of synapse. Describe electrical events during neuronal excitation

#### SHORT ESSAY

10 X 5 = 50 Marks

3. Functions tympanic membrane and ossicles
4. Functions of glucagon
5. Vestibular apparatus
6. Problems in prematurity
7. Motivation and addiction
8. Withdrawal reflex
9. Role of conduction type of heat loss in treating heat stroke
10. Walk along mechanism for contraction of muscle
11. Primary hyperparathyroidism
12. Factors that increases and decreases the insulin secretion

#### SHORT ANSWERS

10 X 3 = 30 Marks

13. Different types of summation in neurons
14. Draw the diagram showing dorsal column lemniscal system
15. Discuss papilledema
16. Mass reflex
17. Schematic diagram showing regulation of thyroid hormones
18. Decorticate rigidity
19. Presbiopia and its correction
20. Dyslexia
21. Mechanism of depth perception of object by the eyes
22. Sympathetic and parasympathetic tone

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