

# Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - I Degree Examination - August 2006

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. What are the mechanisms to perceive color vision? Add a note on color blindness.
2. Discuss in brief the hormonal control of menstrual cycle. What is menopause?

### SHORT ESSAY

10 X 5 = 50 Marks

3. Hypothalamo – hypophysial axis
4. Cushing's syndrome
5. Hypocalcemic tetany
6. Thalamic syndrome
7. Five differences between smooth muscle and cardiac muscle
8. Turner's syndrome
9. Site of lesion and reflexes present in decerebrate cat
10. Stages of slow wave sleep
11. Feedback control of thyroid hormone secretion
12. Myasthenia gravis

### SHORT ANSWERS

10 X 3 = 30 Marks

13. Sarcomere
14. Babinski sign
15. Somatomedins
16. Mention neurotransmitter released and the disease that occurs at neuromuscular junction
17. Habituation and sensitization
18. Accommodation in eye
19. Masking
20. Triple response
21. Mass reflex
22. Role of hypothalamus in hunger

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