

# Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - I Degree Examination - August 2007

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 is the normal calcium level in blood? Name the hormones required for calcium homeostasis. Discuss in brief the actions of any one of them.
2. Describe the excitation - contraction coupling in skeletal muscle. What is the phenomenon of muscle fatigue?

### SHORT ESSAY

10 X 5 = 50 Marks

3. Hypothyroidism
4. Stretch reflex
5. Diagrammatic representation of visual pathway
6. Resting membrane potential
7. Three tuning fork tests of hearing
8. Indicators of ovulation
9. Summation and occlusion in synaptic transmission
10. Processes by which heat is lost from the body
11. Cardio-respiratory changes in the mother during third trimester
12. Referred pain

### SHORT ANSWERS

10 X 3 = 30 Marks

13. Addison's disease
14. Milk ejection reflex
15. Classification of nerve fibers by Erlanger and gasser
16. Puberty
17. Factors causing movements of sperms
18. Pacinian corpuscles
19. Near response of eye
20. Alpha block in EEG recording
21. Brown fat
22. Chorea

\* \* \* \* \*