

**Rajiv Gandhi University of Health Sciences**

M.B.B.S. PHASE - I Degree Examination - June / July 2012

Time : 3 Hrs.

[Max. Marks: 100]

**PHYSIOLOGY - PAPER II**  
**(RS 2 & RS 3)****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. Trace the pathway for touch sensation with the help of diagram. What are the effects of "Tabes Dorsalis" on sensory functions
2. Describe the structure of Neuro Muscular Junction and the mechanism of transmission of impulse across neuromuscular junction of skeletal muscle

**SHORT ESSAY****10 X 5 = 50 Marks**

3. Describe the causes and clinical manifestations of cushing's syndrome
4. Describe any five functions of Estrogens
5. What are the waves of EEG (Electro Encephalogram) and their characteristics? What is alpha block?
6. Contents and functions of middle ear
7. Describe the endometrial changes during menstrual cycle
8. Describe the Errors of refraction and their correction
9. Describe Milk Ejection Reflex
10. Principal actions of Insulin
11. Describe clinical features of cerebellar lesion
12. Describe colour blindness

**SHORT ANSWERS****10 X 3 = 30 Marks**

13. Define and explain "Capacitation" of sperms
14. Describe briefly about attenuation reflex/ Tympanic reflex and its significance
15. What is the mechanism of action of oral contraceptives?
16. List the functions of skin
17. List the clinical features of cretinism
18. What are the changes after bilateral vasectomy?
19. What is aphasia? What are its types
20. What is impedance matching?
21. Describe any two tests to evaluate thyroid function
22. Describe the babinski's sign and its cause