

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - I Degree Examination - July 2008

Time: 3 Hrs.

[Max. Marks: 100]

PHYSIOLOGY - PAPER I (Revised Scheme II)

QP Code: 1077

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

LONG ESSAY

2 X 10 = 20 Marks

1. Enumerate the plasma proteins along with their site of synthesis. List the important functions of plasma proteins and their normal serum levels. Define hypoproteinemia & discuss its clinical significances
2. What is ECG? Enumerate the various ECG leads with a suitable diagram. Discuss the various waves in ECG & their importance

SHORT ESSAY

10 X 5 = 50 Marks

3. Chemical Regulation of Respiration
4. Na^+K^+ Pump
5. P-R Interval
6. Poiseuille's law
7. Triple reaction
8. Auto regulation of renal blood flow
9. Baroreceptors
10. Lung function tests
11. T cells V/s B cells
12. Intestinal movements and slow wave

SHORT ANSWERS

10 X 3 = 30 Marks

13. Capacitance vessels
14. Filtration coefficient
15. Atrial natriuretic factor
16. Role of loop of henle in urine concentration mechanism
17. Metabolic acidosis
18. Erythropoeitin
19. Surfactant
20. Reticulo endothelial system
21. Alkaline tide
22. Periodic breathing
