

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - I Degree Examination - January 2009

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 important Gastro-intestinal hormones. Discuss briefly their various actions on the G.I Tract
2. With a neat flowchart, describe in detail the steps of coagulation of blood. Enumerate the various coagulation factors. Add a note on anticoagulants

**SHORT ESSAY**

**10 X 5 = 50 Marks**

3. Innervations of the heart
4. Standard limb leads
5. Water - Hammer pulse
6. Coronary circulation
7. Rennin-Angiotensin system
8. Chloride shift
9. Glomerular filtration rate
10. Cough reflex
11. Dead space
12. Role of Adenosine in blood flow regulation

**SHORT ANSWERS**

**10 X 3 = 30 Marks**

13. Factors causing hypo effective heart
14. Nephrotic syndrome
15. Bicarbonate buffer system
16. Functions of Hemoglobin
17. Alkaline tide
18. Periodic breathing
19. Oxygen dissociation curve
20. Positive 'G'
21. Swallowing
22. Vitamin K

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