

Rajiv Gandhi University of Health Sciences

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

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. Describe the process of erythropoiesis. How is this process regulated?
2. Describe the renal mechanisms of maintenance of normal specific gravity of urine.

SHORT ESSAY

10 X 5 = 50 Marks

3. Rhesus factor
4. Lung surfactant and its applied aspects.
5. Rennin - angiotensin system
6. First and second heart sounds.
7. Regulation of gastric secretion
8. Korotkoff's sounds
9. Hypoxia
10. Mechanism of deglutition
11. Baroreceptor reflexes
12. Components and functions of bile

SHORT ANSWERS

10 X 3 = 30 Marks

13. Einthoven's triangle.
14. Secondary active transport
15. Laboratory classification of anaemia
16. Triple response
17. Types of cyanosis
18. Cardiac index
19. Autoimmune phenomenon
20. Two non-respiratory functions of lung
21. Normal values for O₂ and CO₂ tensions in air, alveoli and blood
22. Herring - Brewer reflexes
