

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - I Degree Examination - January 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. Define Blood Pressure, mean arterial pressure and pulse pressure. Discuss the long term regulatory mechanisms of blood pressure
2. Discuss the mechanism of formation of concentrated urine. Add a note on diuresis

SHORT ESSAY

10 X 5 = 50 Marks

3. Enumerate various transport mechanisms across cell membrane. Explain active transport
4. Tabulate the differences between first and second heart sounds. Add a note on splitting of II heart sound
5. What is Asphyxia? Explain its features
6. Discuss the enterohepatic circulation of bile. Explain its significance
7. Explain the significance of Rh factor
8. Explain the role of platelets in haemostasis
9. List the types of movements seen in intestine
10. Define and give examples of ventilation perfusion ratio
11. Define periodic breathing, and explain its occurrence in various diseases
12. Depict the pressure volume relationship in the urinary bladder

SHORT ANSWERS

10 X 3 = 30 Marks

13. Why is blood clotting abnormal in patients with vitamin K deficiency?
14. Draw and label ECG tracing in lead II
15. Enumerate the factors governing oxygen consumption by the heart
16. Explain acquired immunity
17. What is Apoptosis?
18. Why is renal medulla very susceptible to hypoxic damage?
19. What is volume obligatoire?
20. What is megacolon?
21. What is a cholagogue and choloretic? Give examples
22. Name two bleeding disorders. What is von Willebrand's factor?

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