

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - I Degree Examination - June/July 2009

Time: 3 Hrs.

[Max. Marks: 100]

PHYSIOLOGY - PAPER I (RS-2 & RS-3)

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 Hypoxia. Classify hypoxias and explain the features seen in the different types of hypoxia
2. Draw a neat labeled diagram of the cardiac cycle, correlating it with pressure and volume changes. Explain the events in detail

SHORT ESSAY

10 X 5 = 50 Marks

3. T Lymphocyte
4. Body fluid compartments
5. Oxygen therapy
6. Diuresis
7. Juxta-Granular Apparatus
8. Chloride shift
9. P-R interval
10. Exocrine secretion of Pancreas
11. Dietary fibre
12. Second stage of deglutition

SHORT ANSWERS

10 X 3 = 30 Marks

13. Draw a neat labeled diagram showing the innervation of bladder
14. What is migratory motor complex?
15. What is vagal tone? Explain
16. What is the physiologic role of mesangial cells?
17. What is Triple response?
18. What is Alveolar capillary block syndrome?
19. Diagrammatically represent the ventilatory changes during exercise
20. What are the sequelae after partial gastrectomy?
21. Refractory period of a cardiac muscle fibre
22. Draw a neat labeled diagram of the Glomerular filtering membrane

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