

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - I Degree Examination - June / July 2011

Time: 3 Hrs.

[Max. Marks: 90]

PHYSIOLOGY - PAPER I (Old Scheme)

QP Code: 1003

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 coagulation factors. Discuss the intrinsic mechanism of coagulation. Add a note on Haemophilia
2. Define cardiac output. Cardiac index. Explain Fick's principle in measurement of cardiac output

SHORT ESSAY

10 X 5 = 50 Marks

3. Draw a diagram of Neuro muscular junction. Name one disease due to abnormality of neuro muscular junction
4. Name the plasma proteins and give their normal value. Explain the significance of albumin Globulin ratio
5. What is dead space? What are the types? What is its clinical importance?
6. What is asphyxia? Explain its stages
7. Explain Oxygen dissociation curve. What is the significance of oxygen dissociation curve?
8. Explain the Tubulo Glomerular feed back mechanism
9. Explain active transport across cell membrane with examples
10. Describe role of platelets in Haemostasis
11. What are the function of Bile? Explain entero hepatic circulation of bile
12. Explain the functions of Saliva

SHORT ANSWERS

10 X 2 = 20 Marks

13. What is Rh incompatibility?
14. What are the movements of intestine?
15. What is anaemia? Enumerate the factors for maturation of R.B.C
16. Enumerate the stages of phagocytosis
17. Enlighten the significance of jugular venous pulse
18. Define chronaxie, rheobase and utilization time
19. Write a note on Christmas disease
20. What is a cholagogue and choloretic give one example for each
21. Importance of P-R interval
22. Draw and label the diagram of juxta glomerular apparatus

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