

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - I Degree Examination - February 2007

Time : 3 Hrs.

[Max. Marks : 100]

PHYSIOLOGY - PAPER I (Revised Scheme)

QP Code: 1053

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 9 = 18 Marks

1. What are platelets? Describe the process of blood coagulation. Name any two anticoagulants and describe their mode of action.
2. What is Einthoven's Triangle? Describe the Electro-cardiogram in lead II. Add a note on his bundle electrocardiogram.

SHORT ESSAY

10 X 5 = 50 Marks

3. What is immunity? Describe specific and non-specific immunity.
4. Describe sino-aortic baroreceptor reflex.
5. Describe the different stages of deglutition.
6. Describe the Chemical control of respiration.
7. Explain why the alveoli remain dry.
8. Describe the compliance of the lung
9. Describe the mechanism of counter current mechanism
10. Coronary circulation
11. Ventricular events of cardiac cycle
12. What is artificial kidney? Give any two indications

SHORT ANSWERS

16 X 2 = 32 Marks

13. Autoimmune disease
14. Factors affecting flow of lymph
15. SA node as pacemaker
16. Vagal tone
17. Plasmapheresis
18. Enumerate the GIT hormones
19. Draw a neat labeled diagram of a Nephron
20. Timed vital capacity
21. Asphyxia
22. Gastric mucosal barrier
23. Enumerate pancreatic function tests
24. Enumerate the functions of the skin
25. Caissons disease
26. Source of bilirubin
27. Four functions of saliva
28. Four functions of Liver
