

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – I Degree Examination - June 2014

Time: Three Hours

Max. Marks: 100 Marks

Physiology – I (RS2 & RS3)

Q.P. CODE: 1077

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS

2 x 10 = 20 Marks

1. Define systolic and diastolic blood pressure and give their normal values. Explain the regulation of blood pressure by baroreceptor reflex.
2. Give the stages of Erythropoiesis. Briefly describe the factors affecting Erythropoiesis.

SHORT ESSAYS

10 x 5 = 50 Marks

3. Secondary active transport
4. Temporary hemostasis
5. Ionic basis of the pacemaker potential
6. Pulmonary surfactant
7. Carbon dioxide transport in blood
8. Medullary respiratory centres
9. Mechanism of HCl secretion from stomach
10. What are the phases of Deglutition? Describe the 2nd phase.
11. Regulation of renal blood flow
12. Role of kidney tubule in counter current mechanism

SHORT ANSWERS

10 x 3 = 30 Marks

13. List the functions of platelets.
14. What is Windkessel effect?
15. List the functions of lymphatic circulation.
16. Define Dyspnic Index. Give its normal value
17. Clinical importance of FEV1
18. What is Cheyne-Stokes respiration? Name one condition where it is seen.
19. List the functions of bile.
20. What is Hirschsprung disease?
21. List the functions of Juxta glomerular apparatus.
22. What is spastic neurogenic bladder?
