

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.N.Y.S Degree Examination - June 2014

Time: Three Hours

Max. Marks: 80 Marks

PHYSIOLOGY – PAPER I

Q.P. CODE: 2503

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

LONG ESSAYS

2 x 10 = 20 Marks

1. Describe the Lung function tests in detail and explain their clinical significance.
2. Describe the regulation and variations of cardiac output in detail.

SHORT ESSAYS

8 x 5 = 40 Marks

3. What is Anemia? Add a note on Pernicious Anemia.
4. Describe the role of baroreceptors in regulation of blood pressure.
5. Describe location and functions of four respiratory centers.
6. Gastric juice secretion and regulation
7. Oxygen – dissociation curve
8. Explain the actions of in-vivo anticoagulants.
9. Describe the triple response.
10. Explain primary and secondary active transport with examples.

SHORT ANSWERS

10 x 2 = 20 Marks

11. Name the bile salts. What are their functions?
12. What is residual volume? Mention its normal value.
13. Refractory period in cardiac muscle
14. State Landsteiner's law.
15. Mention the composition of inspired air.
16. Pacemaker potential
17. Functions of endoplasmic reticulum
18. All or None law
19. First heart sound
20. Dead space air
