



Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase I Degree Examination - DECEMBER 2015

Time: Three Hours

Max. Marks: 90 Marks

PHYSIOLOGY Paper I (Old Scheme) Q.P. 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. Describe the composition, functions and regulation of gastric juice.
2. Describe in detail the neural regulation of respiration.

SHORT ESSAY

10 x 5 = 50 Marks

3. Extra cellular fluid
4. Factors influencing erythropoiesis
5. Functions of plasma proteins
6. Functions of bile
7. Factors influencing glomerular filtration
8. Counter current mechanism
9. Pacemaker potential
10. Baroreceptor reflex
11. Decompression sickness
12. Oxygen Hemoglobin dissociation curve

SHORT ANSWERS

10 x 2 = 20 Marks

13. Examples for secondary active transport
14. Name two anticoagulants. How do they act?
15. Rigor mortis
16. Name the various intestinal movements.
17. State Laplace law.
18. Any two special features of renal circulation
19. Types of cyanosis
20. List the types of Hypoxia.
21. State Fick's principle.
22. List the properties of cardiac muscle.

