

Rajiv Gandhi University of Health Sciences, Karnataka
 MBBS PHASE I Degree Examination – DECEMBER 2010

Time: Three Hours

Max. Marks: 100 Marks

PHYSIOLOGY – I (Revised Scheme II)

Q.P. CODE:1077

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

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Classify Plasma Proteins. Explain their functions. Add a note on Albumin-Globulin ratio
2. Define Systolic and Diastolic Blood Pressure and give their normal values. Describe the short term mechanism for regulation of Blood Pressure.

SHORT ESSAYS

10 x 5 = 50 Marks

- 3 Enterohepatic circulation of Bile salts
- 4 Juxta-Glomerular apparatus
- 5 Ventilation Perfusion Ratio
- 6 Oxygen dissociation curve
- 7 Ventricular muscle action Potential
- 8 Intrinsic Mechanism of Blood coagulation
- 9 What is Hagen's Poiseuille's law? Write the formula and explain
- 10 Classify Hypoxia. Explain any two of them
- 11 Role of Angiotensin II in Glomerular Filtration rate
- 12 Resting membrane potential

SHORT ANSWERS

10X3=30 Marks

- 13 What is the difference between anatomical and physiological Dead space?
- 14 Draw a labeled diagram of ECG
- 15 Endocytosis
- 16 Defaecation Reflex
- 17 Muscles of Inspiration
- 18 Physiological basis of a drug in hypertension
- 19 Exocrine functions of Pancreas
- 20 Reynold's number
- 21 Neurogenic Bladder
- 22 Functions of Haemoglobin
