| | Q.P. Code: 103001 | Reg. no.: |
|----------------------|--|--|
| | First Professional MBBS Degree Supplementary E | xaminations, February 2014 |
| PHYSIOLOGY - Paper I | | |
| | Time: 3 Hours • Answer all questions • Draw Diagrams wherever necess | |
| | Long essay | (10) |
| | 1. A 40 years old man was admitted to hospital with completand shortness of breath following a head injury. Answer With the help of a diagram describe the pattern of bree Explain the physiological basis for the changes in his Describe the role of peripheral chemo receptors in re | the following: eathing in such a patient breathing pattern |
| | Short essays | (2x5 = 10) |
| | Discuss the factors affecting cardiac cutput and add a note on Brainbridge reflex Describe the counter current multiplier in the kidney | |
| | Answer briefly | (5x3=15) |
| | Hypoxic hypoxia Proteolytic pancreatic enzymes Auto regulation of glomerlular filtration rate First and second heart sounds Gastric emptying time | |
| | Draw and label | (2x2½ =5) |
| | 9. Ventricular pressure changes recorded during a normal of 10. Effect of pH on the oxygen – hemoglobin dissociation cu | • |
| | Explain the physiological basis of the following | (5x2=10) |
| | 11. Oxygen debt12. Receptive relaxation13. Prolonged standing results in fainting attacks14. Prolonged action potential in cardiac muscle15. Protective effect of vaccination | |
| | | |
