

**P.G.DIP. in Biomedical Electronics Semester-I Examination**  
**1-BME-3 HUMAN PHYSIOLOGY AND PHYSIOLOGICAL MODELLING**

Time : Three Hours]

[Maximum Marks : 40

1. (a) Explain cardiac cycle. 4
- (b) Discuss PQRST wave. 4

**OR**

- (p) Describe accommodation and system properties. 8
2. (a) Explain the details of Pulmonary function test. 8

**OR**

- (p) Explain ECG. 4
- (q) Explain blood groups. 4
3. (a) Explain process of action potential. 4
- (b) What is thermal storage ? 4

**OR**

- (p) What is blood pressure ? Explain its measurement technique. 8
4. (a) Explain structure of Nephron and urine formation. 8

**OR**

- (p) Explain structure of Retina of Human eye. 4
- (q) Describe the photochemistry of vision. 4
5. (a) Give the characteristics of feedback system. 4
- (b) Explain periodic system. 4

**OR**

- (p) Explain system stability, its uses and testing. 8