

**Madhya Pradesh Medical Science University
17P0002**

**B.P.Th. 1st Year Examination February – 2017
Human Physiology**

Time : 3 Hours Maximum Marks : 100

Note :

- (a) All questions are compulsory to Answer.
- (b) Draw diagrams wherever necessary.
- (c) Answer of question and sub question must be written strictly according to the serial order of question paper.

1. Very short answer type Question (50–60 word only) 10 × 2 = 20

- A. Define blood pressure and write its normal value
- B. Define Motor Unit
- C. Define GFR (Glomerular Filtration Rate) and Write its normal value
- D. Surfactant
- E. Content of gastric juice
- F. Name the two excitable tissues
- G. Enumerate properties of skeletal muscle
- H. ADH
- I. Enumerate hormones of Anterior Pituitary
- J. Define Renal clearance

2. Short answer type Question (250–300 word only) 10 × 5 = 50

- A. Erythropoiesis
- B. Neuromuscular Junction
- C. Action potential in a nerve
- D. Short term regulation of blood pressure
- E. Cardiovascular and Respiratory changes during exercise

3. Essay Types Question (Any Two) (450–500 word only) 15 × 2 = 30

- A. Excitation Contraction coupling in skeletal muscle
- B. Nervous and chemical control of Breathing
- C. Cardiac Output and factors affecting it