



**P-014-1041001**      Seat No. \_\_\_\_\_

## **M. P. M. (Sem. I) (External) Examination**

June / July - 2018

## **Human Anatomy & Physiology - I**

Faculty Code : 014  
Subject Code : 1041001

Time : 3 Hours] [Total Marks : 75

1 Answer the followings :  $10 \times 2 = 20$

- (1) Write basic structure of mitochondria.
- (2) Classify Epithelial tissue.
- (3) Mention various functions of adipose tissue.
- (4) Write the significance of phagocytosis.
- (5) Mention various functions of bone and skeletal system.
- (6) Draw and label normal electrocardiogram.
- (7) Draw neat labelled diagram of neuron.
- (8) Write the names of various synovial joints.
- (9) Explain detailed composition of Blood.
- (10) Write various functions of lymphatic system.

**2** Answer Any Two of the following : **2×10=20**

- (1) Explain in detail pharmacology of neuromuscular junction. Write in detail about contraction and relaxation of skeletal muscle fibre.
- (2) Explain cardiac cycle in detail.
- (3) Describe structure and functions of Brain stem.

**3 Answer Any Seven of the followings :                           7×5=35**

- (1) Describe anatomy of spinal cord
- (2) Explain various functions of cerebrum.
- (3) Write the physiology of hearing.
- (4) Explain lifecycle of Red blood cells.
- (5) Explain in detail about various types and functions of Neuroglia.
- (6) Write a detailed note on Active transport.
- (7) Describe detailed structure and functions of Nucleus.
- (8) Explain physiology of Vision.
- (9) Describe the mechanisms of coagulation of blood.

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