



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 : **10×2=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.
