AC-3090
Second Year B. Sc. (Medical Tech.) (Sem. IV) (CBCS) Examination
April/May – 2015
MT - 09 : Human Anatomy & Physiology - II
(New Course)

Time : Hours] [Total Marks : 50

Instructions :
(1) Fill up strictly the details of signs on your answer book.

(2) Answer all Questions.
(3) Figures to right indicates full marks of question.
(4) Draw a neat and labelled diagram wherever necessary.

1 Answer the following : 8
(a) Draw a neat and labelled diagram of Larynx.
(b) Give the location and function of Arachnoid Villi.
(c) What are Peyer-Patches? Give its Significance.
(d) What are Purkinje fibres? State its function.

2 Attempt any two of the following . 14
(a) Explain: Sympathetic Nervous system and Para sympathetic nervous system acts in antagonistic manner.
(b) Explain stages of cardiac cycle in detail.
(c) Discuss the function of Adrenal gland in regulation of Glucocorticoids secretion and in response to stress.
3 Answer any two of the following:

(a) Explain: Aorta is the largest artery that supplies blood to different body parts.
(b) Draw a neat and labelled diagram of structure of ear and explain physiology of hearing mechanism.
(c) Define Spermatogenesis. Explain the principle events of Spermatogenesis in testes.

4 Write short notes on any two of the following:

(a) Structure and function of Lymph Node.
(b) Retina as a photo sensitive organ.
(c) Control of Respiration.
(d) Medulla Oblongata.