

AC-3090

Second Year B. Sc. (Medical Tech.) (Sem. IV) (CBCS) Examination

April / May - 2015

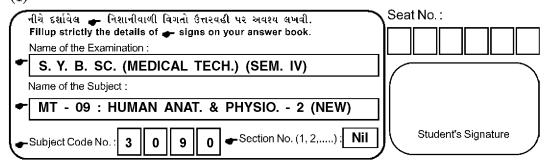
MT - 09 : Human Anatomy & Physiology - II

(New Course)

Time: Hours] [Total Marks: 50

Instructions:

(1)



- (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:
- 14

14

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

AC-3090] 2 [300]