



**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)

<p>नीचे दृष्टावेव निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : S. Y. B. SC. (MEDICAL TECH.) (SEM. IV)</p> <p>Name of the Subject : MT - 09 : HUMAN ANAT. &amp; PHYSIO. - 2 (NEW)</p> <p>Subject Code No. : 3 0 9 0 Section No. (1, 2,.....): Nil</p>	<p>Seat No. : [ ][ ][ ][ ][ ][ ][ ]</p> <p style="text-align: center;">Student's Signature</p>
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- (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 : **14**
- (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**
- (a) Structure and function of Lymph Node.
  - (b) Retina as a photo sensitive organ.
  - (c) Control of Respiration.
  - (d) Medulla Oblongata.
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