



JB-3135

**Second Year B.Sc. (Medical Technology) (Sem. III)
(CBCS) Examination**

March/April – 2013

**MT-06 : Human Anatomy & Physiology - I
(New Course)**

Time : Hours]

[Total Marks : 50

Instructions :

(1)

नीचे दृशावेक निशानीवाणी विगतो उतरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
Second Year B.Sc. (Medical Tech.) (Sem. 3) (CBCS)	<input type="text"/>
Name of the Subject :	<input type="text"/>
MT-06 : Human Anatomy & Physiology - 1 (New)	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/>	<input type="text"/>
Section No. (1, 2,.....): <input type="text" value="Nil"/>	
Student's Signature	

- (2) Figures to right indicates full marks.
(3) Draw a neat and labelled diagram where required.

- 1 Answer the following : 8
- (i) What are microfilaments ? State its function.
(ii) Enlist the characteristics and location of cardiac muscle.
(iii) What is deglutition ? Explain its stages.
(iv) Give the difference between the male and the female Pelvis.
- 2 Answer any **two** of the following : 14
- (a) Describe the structure and functions of Epithelial tissue.
(b) Explain the physiological significance of layers of stomach wall and discuss the digestive functions of stomach.
(c) Draw and explain in detail the structure of human skin and enlist various functions of skin.
- 3 Answer any **two** of the following : 14
- (a) What is Homeostasis ? Explain maintainance of Homeostasis by negative feedback mechanism giving examples.
(b) Draw a labelled microscopic structure of kidney and explain the process of urine formation in detail.

(c) What is skeleton ? Enumerate the bones of Axial skeleton and give the function of each bones.

4 Write short notes on any **two** of the following : 14

- (a) Muscles of upper and lower limbs.
 - (b) Connective tissue.
 - (c) Chemical digestion in small intestine.
 - (d) Synovial Joints - Types and movements.
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