

No. of Printed Pages : 03

Roll No.

353

B. Tech. EXAMINATION, Dec. 2017

(Third Semester)

(Old Scheme) (Re-appear Only)

(BME)

BME-205

HUMAN ANATOMY AND PHYSIOLOGY

Time : 3 Hours]

[*Maximum Marks : 100*

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt any *Five* questions. All questions carry equal marks.

(3-03/4) M-353

P.T.O.

1. Enlist the functions and physiology of a typical cell using diagrams. **20**
2. Which are the basic tissues in human body ? Give their names, structural organization (with diagrams) and functions. **20**
3. Draw neat and labelled diagram of the following : **10×2**
 - (a) T.S. of eye and Internal Ear
 - (b) Central Nervous system and structure of a nerve cell.
4. Explain the physiology of the cardiovascular system of body in detail, with diagrams. **20**
5. Discuss the physiology of the following : **10×2**
 - (a) Exchange of gases in tissue and alveoli
 - (b) Digestion in Small and Large intestine.
6. Write technical notes on the following : **10×2**
 - (a) Blood composition and its functions
 - (b) Structure of nephron and formation of urine.
7. Explain the following in brief : **5×4**
 - (a) Functions of sympathetic nervous system
 - (b) Nervous conduction
 - (c) Reflex action and Reflex arc
 - (d) Female Reproductive system.
8. Write short notes on any *four* of the following : **5×4**
 - (a) Muscle Physiology
 - (b) Skin resistance
 - (c) Control of endocrine secretions
 - (d) Haemoglobin
 - (e) Blood Pressure.