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Total No. of Pages : 02

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**M.Sc.(Chemistry) (2018 Batch) (Sem.-1)****HUMAN PHYSIOLOGY****Subject Code : CHL406A-18****M.Code : 75118****Time : 3 Hrs.****Max. Marks : 50****INSTRUCTION TO CANDIDATES :**

1. Section-A is **COMPULSORY** consisting of **FIVE** questions carrying **TWO** marks each.
2. **SECTION-B** contains **EIGHT** questions carrying **FOUR** marks each and students have to attempt any **SIX** questions.
3. **SECTION-C** comprises of **TWO** compulsory questions with internal choice in both these questions. Each question carries **EIGHT** marks.

**SECTION-A**

1. Give the composition of saliva.
2. Write two physiological functions of vitamin E.
3. Write briefly about ECG.
4. Define Anatomy and Physiology.
5. Give the composition of bile. Where it is produced?

**SECTION-B**

6. Describe various pulmonary volumes and capacities.
7. Write a note on hormones of anterior pituitary hormones.
8. Differentiate between mitosis and meiosis.
9. Discuss the role of pancreas in chemical digestion.





10. Define Tissue. Write the characteristics of epithelial tissue.
11. Draw a well labelled diagram of human heart and explain.
12. Explain the structure of mitochondria with help of diagram.
13. Discuss the various functions of excretory system.

**SECTION-C**

14. Draw a well labelled diagram of nephron. Describe the physiology of urine formation.

**OR**

Discuss in detail cardiac cycle.

15. Describe in detail physiology of skeletal muscle contraction.

**OR**

Write a note on fat soluble vitamins.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**

