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Total No. of Pages : 02

Total No. of Questions : 15

**M.Sc.(Chemistry) (2018 Batch) (Sem.–1)**

**HUMAN PHYSIOLOGY**

**Subject Code : CHL-406A-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. Define Blood Pressure and mention two primary determinants of BP.
2. What is oxytocin? Highlight functions of oxytocin.
3. What is tissue? Classify various tissues.
4. What are accessory organs of digestive system? Name them.
5. Define Stroke Volume and cardiac output.

**SECTION-B**

6. Add a note on physiology of muscle contraction.
7. Describe various processes of cell membrane transport.
8. Write a short note on small intestine and its role in food absorption.
9. What is cardiac cycle? Describe various events of a typical cardiac cycle.

10. Add a brief note on lungs.
11. Draw neat and labelled diagram of Nephron.
12. Write a short note on vitamin A & D.
13. Write a note on endocrine pancreas.

### **SECTION-C**

14. What is excretory system? Discuss in detail its various components

**Or**

Name various organs of excretory system and discuss physiology of urine formation.

15. What are endocrine glands? Discuss in detail with there functions.

**Or**

Discuss physiology of anterior pituitary hormones.

**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.**