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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 : CHL406A-18

Paper ID : [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** will comprise of **TWO** compulsory questions with internal choice in both these questions. Each question carries **EIGHT** marks.

SECTION-A

- Q1 Highlight functions of vitamin B6 & Vitamin B12.
- Q2 Mention two primary modes of cell membrane transport.
- Q3 What is inspiratory reserve and expiratory reserve?
- Q4 What are gonadal hormones?
- Q5 What is cardiac output?

SECTION-B

- Q6 Describe mechanism of skeletal muscle contraction.
- Q7 Write a note on mitotic cell division.
- Q8 Write a note on functions of fat soluble vitamins.
- Q9 Add a brief note on digestion of carbohydrates and lipids.

Q10 Add a brief note on regulation of respiration.

Q11 Explain various events of a typical cardiac cycle.

Q12 Explain anatomy of nephron.

Q13 Add a note on adrenal cortical hormones.

SECTION-C

Q14 a) Classify various tissues of the body and discuss in detail about simple epithelial tissue.

Or

b) Discuss internal structure of heart with the help of a neat figure.

Q15 a) Discuss physiology of anterior pituitary hormones.

Or

b) Explain physiology of urine formation by kidneys.