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Total No. of Pages : 02

Total No. of Questions : 19

PIT M.Sc. (Chemistry) (Sem.-1)

HUMAN PHYSIOLOGY

Subject Code : CHL-405H

Paper ID : [51144]

Time : 3 Hrs.

Max. Marks : 70

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **SIX** questions carrying **FIVE** marks each and students have to attempt **ALL** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

SECTION-A

- Q1 Enlist various organs of digestive system.
- Q2 What is carrier transport across cell membrane?
- Q3 Define blood pressure, what is normal range of BP in humans.
- Q4 What is ECG? Draw a normal ECG pattern.
- Q5 What is cardiac output?
- Q6 What is tidal volume?
- Q7 What are endocrine glands? Enlist various endocrine glands of the body.
- Q8 What is peptic ulcer?
- Q9 Name the neurotransmitter released in sympathetic nervous system.
- Q10 Indicate various types of cholinergic receptors.

SECTION-B

- Q11 Describe various steps involved in cell mitosis.
- Q12 Explain various events of a typical cardiac cycle.
- Q13 Add a brief note on regulation of respiration.
- Q14 Write a note on physiology of hearing.
- Q15 Describe physiology of skeletal muscle contraction.
- Q16 Discuss various functions of hypothalamus.

SECTION-C

- Q17 Explain the digestion and absorption of proteins and carbohydrates in the body.
- Q18 Write an exhaustive note on anterior pituitary hormones.
- Q19 Discuss physiology of urine formation by kidneys.