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Total No. of Pages : 02

Total No. of Questions : 19

M.Sc. (Chemistry) (Campus) (2015 to 2017) (Sem.-1)

HUMAN PHYSIOLOGY

Subject Code : CHL-405H

M.Code : 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

1. Name two hormones released by adrenal cortex.
2. Give two physiologic roles of Thyroxine
3. Name two enzymes involved in digestion of proteins
4. Define Venous Return
5. Give the composition of Bile. Where it is produced?
6. Name one inhibitory and one excitatory Neurotransmitter.
7. What are Gonadotropins? Discuss their functions in female reproductive system.
8. Describe briefly Hepatitis.
9. Name the hormone of Anterior Pituitary that controls the release of Corticosteroids.
10. What is the composition of Pancreatic Juice?





SECTION-B

11. Elaborate the mechanisms of gaseous exchange and transport.
12. Draw a well labelled diagram of Nephron. Discuss briefly Glomerular Filtration.
13. Elaborate on Parasympathetic Nervous System.
14. Discuss the process of digestion of proteins in the small intestine.
15. Write a note on Physiology of Hearing.
16. Differentiate between Passive and Active Transport.

SECTION-C

17. Describe in detail the process of impulse generation and conduction in neuron.
18. Write a note on :
 - a) Pancreatic hormones
 - b) Limbic system
19. Describe the Molecular Mechanism of skeletal muscle contraction.

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.

