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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:

- 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?

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SECTION-B

- 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

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

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.

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