

2112H001

**SECTION -B (ESSAY TYPE QUESTIONS)**  
(5x10=50 Marks)

1. Enlist various hormones secreted by Pituitary gland. What is the difference between Acromegaly and Gigantism?
2. Write a short note on digestive glands.
3. Write a short note on digestion of lipids.
4. Differentiate between two PEM.
5. Differentiate between features of skeletal, cardiac and smooth muscle fibers.
6. What are the different types of vitamins? Write short note on Vitamin B deficiency.
7. Write a short note on different type of muscle based on their actions and location.
8. Write a short note on secretions of Liver.

'END OF PAPER'

**BACHELOR OF VOCATION**  
**Medical Laboratory Technology (MLT)**  
**Subject: Physiology-II**  
**Subject Code: LSH-701**  
**Semester: Fifth**  
**December 2021**  
**Theory (External): 70 Marks**  
**Time: 03 Hours**

**Instructions to the Students**

1. This Question paper consists of two Sections. All sections are compulsory.
2. Section A comprises 10 questions of objective type in nature. All questions are compulsory. Each question carries 2 marks.
3. Section B comprises 8 essay type questions out of which students need to do any 5. Each question carries 10 marks.
4. Read the questions carefully and write the answers in the answer sheets provided.
5. Do not write anything on the question paper.
6. Wherever necessary, the diagram drawn should be neat and properly labelled

**Roll Number**

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**SECTION –A (SHORT/OBJECTIVE TYPE QUESTIONS)**  
**(10x2=20 Marks)**

- A. What is the function of endocrine systems?  
a) control bodily functions  
b) get rid of waste  
c) secrete hormones  
d) control the brain
- B. Hormones are?  
a) Email messages  
b) Chemical messages  
c) Voicemail messages  
d) Chemical markers
- C. Which type of muscle tissue would line the intestines?  
a) Smooth  
b) Cardiac  
c) Skeletal  
d) Transitional
- D. Out of the following which is not a source of Vitamin C  
a) Orange  
b) Shark Liver Oil  
c) Lemon  
d) Indian Gooseberry
- E. First section of the small intestine:-  
a) Duodenum  
b) Ileum  
c) jejunum  
d) rectum
- F. Which types of muscle tissue are voluntary?  
a) Cardiac Muscle  
b) Smooth Muscle  
c) Skeletal Muscle  
d) Skeletal Muscle and Smooth Muscle
- G. A solution or environment surrounding a cell that has less solutes and more pure water than the cell:  
a) Hypertonic Solution  
b) Hypotonic Solution  
c) Isotonic Solution  
d) Control
- H. The cell membrane allows certain substances to pass through but not others, this is known as:  
a) Double membrane bound organelle  
b) Semi-Permeable  
c) Non-Permeable  
d) Completely Permeable
- I. Which muscle characteristic allows the muscle to return to resting length after contraction?  
a) Contractility  
b) Excitability  
c) Extensibility  
d) Tension
- J. What is the contractile unit of the muscle?  
a) Z disk  
b) Sarcomere  
c) Muscle fiber  
d) Muscle cell