



**ELIZADE UNIVERSITY,  
ILARA-MOKIN,  
ONDO STATE**

**FACULTY: BASIC & APPLIED SCIENCES**

**DEPARTMENT: BIOLOGICAL SCIENCES**

**SECOND SEMESTER EXAMINATION**

**2015/2016 ACADEMIC SESSION**

**COURSE CODE: BIO 210**

**COURSE TITLE: GENERAL PHYSIOLOGY I**

**DURATION: 2hours**

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**HOD's SIGNATURE**

**NAME:.....**

**MAT. No:.....**

**INSTRUCTION**

**Answer all questions in Section A and any two (2) in section B**

**SECTION A**

- 1a. What are meristems embryonic tissues? 3marks
- b. Mention different types of plant tissues and their functions. 5marks
- c. Explain the following types of transport mechanism in plants. 4marks
- i. Facilitated diffusion
- ii. Active transport
- d. List the different types of plant cell. 2marks
- 2a.i What are macro and micro nutrients? 3marks
- ii. State different types of element that could be found in 2ai above. 4marks
- bi. What are hormones? 3marks
- ii. Name and describe the function of any two plant hormones. 6marks

**SECTION B**

Answer any two (2) questions.

- 1a (i). Explain the mechanism on which homeostasis operates 8marks
- (ii). A unicellular organism surrounded by hypotonic glucose solution continues to assimilate the glucose through which mode of transport? 3marks
- 1b. Differentiate between pinocytosis and phagocytosis 4marks
- 2a. Mention the key functions of most excretory systems? 8marks
- 2b. Give a succinct account of how nephron perform its functions 7marks
- 3a. Differentiate between the two systems that coordinate communication throughout the body 5marks
- 3b (i) Distinguish between endocrine and exocrine glands 4marks
- (ii) Mention 3 endocrine glands and their products 6marks
- 4a. Draw a well-labeled diagram of a typical Neuron. 12marks
- 4b. State the stages involve in cellular respiration 3marks