



**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**