



ELIZADE UNIVERSITY ILARA-MOKIN

FACULTY OF BASIC AND APPLIED SCIENCES

DEPARTMENT OF CHEMICAL AND PHYSICAL SCIENCES

FIRST SEMESTER EXAMINATION 2018/2019 SESSION

BCH 305- Plant Biochemistry

Time: 2 hrs

Instruction: *Answer any four (4) Questions*

- 1a. Define the following:
 - i. Plant Growth
 - ii. Plant Development
 - iii. Plant Sigmoid curve
 - iv. Plant Movements
 - v. Auxonometer
- 1b. State the different stages of Cellular growth.
- 1c. Describe the factors influencing Plant growth and development.
2. What do you understand about the following class of compounds?
 - a. Alkaloids
 - b. Flavonoids
 - c. Plant Synthetic Growth Regulators
 - d. Herbicides
 - e. Carotenoids
3. Discuss extensively on (a) Free amino acids and (b) Nitrogenous bases in plant.
- 4a. What are Phytohormones?
- 4b. List any four (4) types of phytohormones and state their biological functions.
- 4c. Describe the biosynthesis of any one of the phytohormones listed above.
- 5a. Draw a well labelled Plant Cell.
- 5b. Describe the functions of 5 of the organelles.
- 5c. Describe the processes involved in plant cell wall and lignin formation.