

Bms/14/1570503

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DEPARTMENT OF BIOCHEMISTRY
2017/2018 HARMATTAN EXAMINATION

COURSE CODE: BCH411
COURSE TITLE: PLANT BIOCHEMISTRY

TIME: 2 hours

Instruction: Attempt any THREE (3) questions

1. In a tabular form, give Six (6) herbicide classes with their physiological and molecular sites of actions.

2. Write a short essay on Plant Development under these headings.

- Embryo and seed development
- Germination and seedling development
- Cell growth and cell division
- Differentiation

3. What are Plant Hormones? Give FOUR (4) examples of plant hormones with Four (4) functions each.

4. With concise notes and biochemical illustrations, explain how herbicides inhibit Amino Acid biosynthesis in Plants.

Abscisic
- Promotes seed dormancy & senescence
- Promotes seed dormancy & senescence
- Involved in seed growth
- Inhibits the elongation of plant
- Inhibits the growth of plant
- Inhibits the growth of plant
- Inhibits the growth of plant

Ethylene
- Stimulating ripening of fruit & leaf
- Increases senescence
- Involved in the production of female flower in a male plant
- It helps in root initiation of plants
- It helps in root initiation of plants
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- It helps in root initiation of plants

