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OLABISI ONABANJO UNIVERSITY
DEPARTMENT OF BIOCHEMISTRY
REMO CAMPUS, IKENNE
2011/2012 EXAMINATION

DATE: 19/7/2011

Course CODE: BCH 411 TITLE: PLANT BIOCHEMISTRY

TIME: 2Hrs

ANSWER QUESTION 1 AND ANY OTHER THREE QUESTIONS

- 1a Describe the Cyclic photosynthetic electron transport chain.
- 1b List the SIMILARITIES and the DIFFERENCES between CF_1 - CF_0 complex and Cytochrome bf complex
- 2a. What are phytochemicals? List types of phyto-chemicals.
- 2b Diagrammatically, show the biosynthetic relationships of major groups of phytochemicals.
- 3a Diagrammatically, show the biosynthesis of peyote alkaloids.
- 3b Describe the three important reactions that occur in alkaloid biosynthesis
- 4a What are phytohormones? List classes of phytohormones
- 4b Discuss the physiological roles of auxin
- 5a Describe the process of biological nitrogen fixation.
- 5b What are the functions of nitrogen in living cells?