



**FACULTY OF SCIENCE**

**DEPARTMENT OF BOTANY AND PLANT BIOTECHNOLOGY**

**MODULE BOT2B10 PLANT PHYSIOLOGY**

**CAMPUS APK**

**EXAM SUPPLEMENTARY DECEMBER 2014**

<b>DATE:</b>	<b>DECEMBER 2014</b>
<b>ASSESSOR:</b>	<b>PROF. CS WHITEHEAD</b>
<b>INTERNAL MODERATOR:</b>	<b>Ms L O'REILLY</b>
<b>DURATION: 2 HOURS</b>	<b>MARKS: 100</b>

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**NUMBER OF PAGES: 2 PAGES**

**INSTRUCTIONS: ANSWER ALL THE QUESTIONS**

**REQUIREMENTS: EXAM BOOK**

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**QUESTION 1**

Explain the gravitropism in roots and stems

(25)

**QUESTION 2**

Discuss the synthesis, transport and role of auxins in plants.

(25)

**QUESTION 3**

Draw diagrams to explain photophosphorylation and carbon assimilation in C3 plants.

(25)

**QUESTION 4**

Give a diagrammatic explanation of the conversion of lipids to sugars in gluconeogenesis.

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