

COURSE CODE: B202 [M] 2005  
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**UNIVERSITY OF SWAZILAND**

**FINAL EXAMINATION PAPER 2005**

**TITLE OF PAPER:** PLANT MORPHOLOGY

**COURSE CODE:** B 202

**TIME ALLOWED:** THREE HOURS

**INSTRUCTIONS:**

- 1 ANSWER ANY FOUR (4) QUESTIONS.
- 2 EACH QUESTION CARRIES TWENTY FIVE (25) MARKS.
- 3 ILLUSTRATE YOUR ANSWERS WITH LARGE AND CLEARLY LABELLED DIGRAMS WHERE APPROPRIATE.

**SPECIAL REQUIREMENTS:**

NONE

**THIS PAPER IS NOT TO BE OPENED UNTIL PERMISSION HAS BEEN  
GRANTED BY THE INVIGILATORS**

**QUESTION ONE**

Give an illustrated account of the leaf forms in Angiosperms.

[25 Marks]

**QUESTION TWO**

Describe the forms of roots in Angiosperms noting their modifications and functions.

[25 Marks]

**QUESTION THREE**

Describe the morphological patterns observable in aggregate fruits, noting appropriate examples.

[25 Marks]

**QUESTION FOUR**

Discuss 'Phylogeny' and the genetic spiral in seed plants.

[25 Marks]

**QUESTION FIVE**

Describe the corolla of a typical Angiosperm flower and consider any possible forms that may arise from cohesion.

[25 Marks]

**QUESTION SIX**

Describe the typical gross morphology of Gymnosperms and provide examples.

[25 Marks]

TOTAL MARKS: 100

J.S.