



1ST SEM (M) 2011/2012

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME: BACHELOR OF SCIENCE IN AGRONOMY YEAR 2

COURSE CODE: CP 202

TITLE OF PAPER: MUSHROOM PRODUCTION

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

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CHIEF INVIGILATOR**

QUESTION 1

Discuss the different types of toxins produced by mushrooms. And give an example of a mushroom that produces that toxin. **[25 Marks]**

QUESTION 2

Using a diagram, outline different parts of a typical mushroom. Explain the functions of these parts. **(25 Marks)**

QUESTION 3

a. Define the following terminologies in mushroom production:

- i. Carrier **(3 Marks)**
- ii. Tissue culture **(3 Marks)**
- iii. Spawn culture **(4 Marks)**
- iv. Mother culture **(3 Marks)**
- v. Substrate **(3 Marks)**

b. i Explain why one should not subculture a mushroom fungus indefinitely. **(3 Marks)**

- ii. What is the recommended number of times that one can subculture a mushroom fungus. **(2 Marks)**

c. What carrier would you recommend for oyster mushroom spawn production in Swaziland and why? **(4 Marks)**

QUESTION 4

As an Extension Officer, give advice to a farmer who would like to start Oyster mushroom production. **[25 Marks]**

QUESTION 5

Discuss INSECT PESTS that can be a problem in mushroom farming, and explain how one could manage/control them. **[25 Marks]**