



**SUPPLEMENTARY 2008/2009**

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**UNIVERSITY OF SWAZILAND**

**SUPPLEMENTARY EXAMINATION**

**PROGRAMME: BACHELOR OF SCIENCE IN AGRONOMY YEAR 2 & YEAR 3; BACHELOR OF SCIENCE IN ANIMAL SCIENCE YEAR 2 & YEAR 3, BACHELOR OF SCIENCE IN FOOD SCIENCE AND NUTRITION TECHNOLOGY YEAR 2 & YEAR 3; BACHELOR OF SCIENCE IN HOME ECONOMICS YEAR 2 & YEAR 3; BACHELOR OF SCIENCE IN HOME ECONOMICS EDUCATION YEAR 2 & YEAR 3; AND BACHELOR OF SCIENCE IN HORTICULTURE YEAR 2 & YEAR 3.**

**COURSE CODE: CP 206**

**TITLE OF PAPER: MICROBIOLOGY**

**TIME ALLOWED: TWO (2) HOURS**

**INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS  
BEGIN EACH QUESTION ON A NEW SHEET**

**DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN GRANTED BY  
THE CHIEF INVIGILATOR**

**QUESTION 1**

Describe and illustrate the different stages of viral multiplication

**[25 Marks]**

**QUESTION 2**

- a. i) What are phagocytes (3 Marks)  
ii) Name the different types of phagocytes? (6 Marks)  
iii) What are the functions of the different types of phagocytes listed in (ii) above? (6 Marks)
- b. What is inflammation and how is it characterised? (5 Marks)

**[25 Marks]**

**QUESTION 3**

Discuss the different types of T-cells and their functions in immunity

**[25 Marks]**

**QUESTION 4**

Discuss the different types of adaptive immunity

**[25 Marks]**

**QUESTION 5**

Discuss the different types of culture media used in a microbiology laboratory.

**[25 Marks]**