

2ND SEMESTER SUPPLIMENTARY EXAMINATIONS 2016/2017

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UNIVERSITY OF SWAZILAND

SUPPLEMENTARY EXAMINATION PAPER

PROGRAMMES:

B.SC. IN AGRICULTURAL EDUCATION YEAR 2

B.SC. IN AGRONOMY YEAR 2

B.SC. IN ANIMAL SCIENCE YEAR 2

B.SC. IN ANIMAL SCIENCE (DAIRY) YEAR 2

B.SC. IN CONSUMER SCIENCE YEAR 2

B.SC. IN CONSUMER SCIENCE EDUCATION YEAR 2

B.SC. IN FOOD SCIENCE, NUTRITION AND TECHNOLOGY YEAR 2

B.SC. IN HORTICULTURE YEAR 2

COURSE CODE:

CPR 207/CP 204

TITLE OF PAPER:

MICROBIOLOGY

TIME ALLOWED:

TWO (2) HOURS

INSTRUCTIONS:

ANSWER ANY FOUR QUESTIONS

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

COURSE CODE: CPR 207

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A. Before staining (e.g. simple staining), a bacterial smear is fixed	d.
(i) How is it fixed? (ii) Why is it fixed?	(2 Marks)
(ii) Why is it fixed?B. Describe five uses of each of the following microrganisms	s which are beneficial to
humans	
(i) Fungi	(5 Marks) (5 Marks)
(ii) Algae	(5 Marks)
	ormarket and agro-supply
(iii) Bacteria C. The following microorganisms can be purchased from a supermarket and agro-supply	
shop, respectively. Give a reason for buying each.	(3 Marks)
(i) Saccharomyces	(3 Marks)
(ii) Bacillus thuringiensis	[25 Marks]
OUESTION 2 A. Explain the following media used in a Microbiology laboratory: (3 marks)	
	(3 marks)
i. Complex media	(3 Marks)
ii. Differential media	(3 Marks)
iii. Selective media	(5 Marks)
111. Delective media	(4 Marks)
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the sand what are its ochionics	
B. What is bioremediation allu Wildi with the	
B. What is bioremediation and What are its benefits? C. In microbial genetics, what is meant by:	(3 Marks)
a. A promoter	(3 Marks)
b. A terminator	(2 Marks)
c. Translation	(2 Marks)
d. A codon	(2 Marks)
e. Degeneracy	[25 Marks]
	[20]