

## **DEPARTMENT OF BIOTECHNOLOGY& FOOD TECHNOLOGY (DFC)**

	MODULE:	MCB1AE1/N	MCB1XB1 (MICROBIOLOGY 1)	
	CAMPUS:	DFC	July Supplementary 2019	
DATE: SESSION:				25 May 2019 12:30 to 15:30
AS	SESSOR			Prof Ezekiel Green
IN <sup>-</sup>	TERNAL MODE	RATOR		Dr. Bheki Dlamini
DU	JRATION: 3 HO	URS		
MA	ARKS 100			
NU	JMBER OF PAC	GES: 2		
SU	J <b>RNAME AN</b>	D INITIALS:		
СЛ	TIDENT NIIN	MRFR.	CONTACT NUMBER:	

## NUMBER OF PAGES:

## **INSTRUCTIONS:**

- 1 READ ALL THE INSTRUCTIONS AND ANSWER ALL QUESTIONS
- 2 HAND THE **ANSWER SCRIPT** AS WELL AS YOUR **QUESTION PAPER**

QUEST	ION 1.		[25 Marks]	
1.	Defin			
	a. B	roth media	-	
<ul><li>b. Mycology</li><li>c. Slant tubes</li><li>d. Mycoses</li></ul>				
				e. C
2.	Discu	ss oligotrophic environments	(5 Marks)	
3.	Discu	ss capsids and give three types of capsids you know.	(10 Marks)	
QUEST	ION 2.	[25 Marks]		
	a.	Name the stages of Plasmodium vivax that occurs in a mosquito	(7 Marks)	
	b.	With the aid of a diagram, show the life-cycle of Rhizopus stolonifera	(15 Marks)	
	C.	Briefly describe microbial biofilms.	(3 Marks)	
QUEST	UESTION 3.		[25 Marks]	
1.	St	rate 5 ways in which HIV can be transmitted.	(5 Marks)	
2.	W	/rite short notes on;		
	a. V	iroids	(5 Marks)	
	b. Sa	atellites (Virusoids)	(5 Marks)	
	c. P	rions	(5 Marks)	
	d. D	escribe viral genome	(5 Marks)	
QUEST	ION 4.			
1.	N	ame 5 medically important fungi and the diseases they cause.	(10 Marks)	
2.	W	/hat are the beneficial uses of Fungi?	(5 Marks)	
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