FINAL EXAMINATION

DURATION: TWO (02) HOURS

DATE: 12TH AUGUST 2021 TIME: 01.30 P.M. – 03.30 P.M.

Part B- Short Answer Questions (20 marks)

01.

1.1 Compare Prokaryotic and Eukaryotic cells. (08 marks)

	Characteristic	Prokaryotic cell	Eukaryotic cell
I.			
II.			
III.			
IV.			

1.2 State the Germ theory of disease. (02 marks)

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02.

2.1 List two (02) applications of microbiology in pharmaceutical field. (04 marks)

I. .....

II. .....

2.2 State the function of mesosomes in bacterial cell? (02 marks)

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Index Number: .....

Part C- Structured Essay Questions (60 marks)

01.

1.1 List three (03) physical factors that control microbial growth. (06 marks)

1.2 Briefly explain the physical factors that mentioned in 1.1. (12 marks)

1.3 What is meant by "Bacterial culture media"? (04 marks)

1.4 List three (03) properties of agar that make it ideal for culturing bacteria? (06 marks)

1.5 What is meant by "Chemically defined media"? (02 marks)

02.

2.1 What is the importance of the normal microbiota? (05 marks)

2.2 (i) What is Commensalism? (02 marks)

(ii) Give an example. (03 marks)

2.3 Briefly explain two (02) reservoirs of infectious diseases in humans. (08 marks)

2.4 Briefly explain vehicle transmission of diseases. (06 marks)

2.5 List three (03) ways that pathogens can damage host cell. (06 marks)

2.3 What is the usage of "Epsilometer test"? (02 marks)

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2.4 State two (02) factors which can affect the effect of antimicrobial activity. (02 marks)

I. .....

II. .....