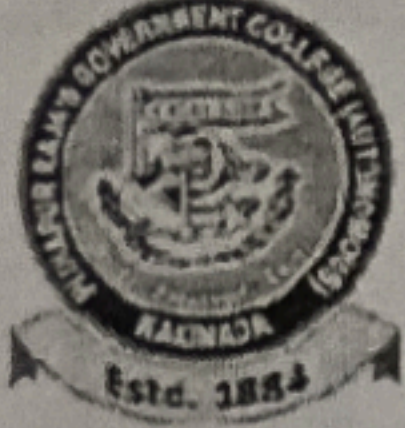


	PITHAPUR RAJAH'S GOVERNMENT COLLEGE (AUTONOMOUS): KAKINADA							
	I SEMESTER END EXAMINATIONS – MARCH-2023							
	CLASS: BSC.						SEMESTER	1
	SUBJECT : MICROBIOLOGY						DATE & SESSION	13.04.023 AN
	PAPER& CODE: 1209							
INTRODUCTION TO MICROBIOLOGY & MICROBIAL DIVERSITY						Max Marks	50	
REG NO							Time:	2 HRS

PART-A

Answer any **THREE** questions by attempting at least one question from each section.

3x10= 30 M

Section – A

1. Write about the contributions of Robert Koch and Antony von Leeuwenhoek.
2. Explain in detail about Ultra structure of Prokaryotic Cell.
3. Write about Structure and Replication of TMV.

Section – B

4. Discuss about Pure culture techniques – Spread plate and Pour plate.
5. Describe working and principle of Bright field Microscopy.
6. Write about the Whittaker's five kingdom classification.

PART-B

Answer any **FOUR** of the following questions.

4x5 = 20 M

7. Contributions of Edward Jenner.
8. General characteristics of Cyanobacteria.
9. Thallus organization of Algae.
10. Differential Media.
11. Spore staining.
12. Lyophilization.