

SEMESTER	IV	QP CODE	4233
 P.R. GOVERNMENT COLLEGE (AUTONOMOUS), KAKINADA SEM END EXAMINATIONS SEPTEMBER 2023 II.B. SC.: MICROBIOLOGY -PAPER 5			
DATE & SESSION	14.09.2023 AN	REG NO	MAX MARKS 50

PART-A

Answer any THREE questions choosing at least ONE question from each section

(3X10= 30 M)

SECTION - A

1. Write an essay on microbial interaction.
2. Explain intrinsic and extrinsic parameters that affect microbial growth in food.
3. Write about screening and strain improvement of industrially important microbes

SECTION -B

4. Explain the design of fermentor with a neat labeled diagram.
5. Explain the process of downstream processing.
6. Write an essay on production of penicillin

PART-B

Answer any FOUR questions

(4 x 5 M = 20 M)

1. Carbon cycle.
2. Activated sludge process.
3. *Actinomycetes*.
4. Secondary screening techniques.
5. SCP.
6. Fermentation media.