

SEMESTER

II

QP CODE

2209



P.R. GOVERNMENT COLLEGE (AUTONOMOUS), KAKINADA
SEM II, IV & VI END EXAMINATIONS SEPTEMBER 2023

I B.SC., SUBJECT: **MICROBIOLOGY**

DATE & SESSION	21.09.2023 AN	REG NO									MAX MARKS	50
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PART - I

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

SECTION - A

3 X 10 M = 30 M

1. Write an essay on general properties and classification of carbohydrates.
2. Describe the principle, working and instrumentation of UV-Visible spectrophotometer.
3. Elaborate on the properties and classification and functions of enzymes.

SECTION - B

4. Describe in detail about various nutritional groups of microorganisms.
5. Explain in detail about various steps involved in Krebs cycle.
6. Discuss in detail the structure of Deoxyribonucleic acid.

PART - II

Answer any FOUR Questions from the following.

4 X 5 M = 20 M

7. Polysaccharides
8. Paper chromatography
9. Induced fit hypothesis.
10. Factors affecting microbial growth
11. ED pathway
12. Phospholipids