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EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (NEP) (FIRST YEAR) (SECOND SEMESTER)
MINOR-MICROBIOLOGY PAPER – III – LEVEL 3 (THEORY)(ATYPICAL PROCARYOTES)

[Time: As Per Schedule] **[Max. Marks: 25]**

Instructions:
1. Fill up strictly the following details on your answer book
   a. Name of the Examination :**BACHELOR OF SCIENCE (NEP) (FIRST YEAR) (SECOND SEMESTER)**
   b. Name of the Subject :**MICROBIOLOGY PAPER–III–LEVEL 3 (THEORY)(ATYPICAL PROCARYOTES)**
   c. Subject Code No :**2403000502036003**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

Student's Signature

Q.1 Answer in very short. (Any Five) **5**

a) Write a full form of PPLO.

b) Mention name of antibiotic which can induce L- forms of bacteria.

c) Write-down the name of bacterium that parasitizes other bacteria by entering inside the cell wall of its host.

d) Which organism can cause spotted fever?

e) Which group of bacteria require high concentration of sodium chloride for growth?

f) Which genus of actinomycetes is important sources of antibiotic?

Q.2 Answer the following in brief. (Any Two) **10**

a) Write a note on serological tests for Rickettsiae.

b) Write-down general characteristics of Mycoplasmas.

c) Discuss on Chlamydiae exist in two forms.

Q.3 Answer the following in brief. (Any Two) **10**

a) Write a note on Actinomycetes.

b) Discuss about Methanogenic bacteria.

c) Enlist groups of photosynthetic bacteria and discuss about cell structure and components of Cyanobacteria.

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