

[LP 0819]

AUGUST 2019

Sub. Code: 2901

B.Sc. MICROBIOLOGY
(New Syllabus 2018-2019)

FIRST YEAR

PAPER I – BACTERIOLOGY

Q.P. Code: 802901

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Classification of Rickettsiae morphology, culture and pathogenesis caused by any one of them.
2. Sterilization techniques and describe principle and Quality control to Autoclave.
3. Gram staining principle.

II. Write notes on:

(8 x 5 = 40)

1. Biosafety procedures.
2. Preparation of Simple media.
3. Principle and uses of Catalase test.
4. Lab planning.
5. Electron Microscope.
6. Dark Field Microscope.
7. Pathogenesis of staphylococcus.
8. Bright Field Microscope.

III. Short answers on:

(10 x 3 = 30)

1. Motility Test.
2. Principle of VP reaction.
3. Characteristic of cyanobacteria.
4. Biochemical reactions of vibrio cholera.
5. Negative staining.
6. Maintenance of Laboratory Records.
7. Pathogenesis of H Pylori.
8. Coliform count.
9. Quality control of ELISA test kit.
10. Preparation of media for antibiotic sensitivity for bacteria.
