RAJARSHI SHAHU MAHAVIDYALAYA (AUTONOMOUS), LATUR

B. Sc. GENERAL (SEMESTER PATTERN)

B. Sc. FIRST YEAR

BRIDGE COURSE: MICROBIOLOGY

CURRICULUM (CBCS)

Effective progressively from June 2021

UNDER ACADEMIC AUTONOMOUS STATUS

w. e. f. JUNE, 2021-22

Bridge Course: Microbiology

Introduction:

The essential and fundamentals of higher secondary level subjects are necessary to understand the subject at an ease and this will lead to a better appreciation of the subject education. This course is designed for First Year B.Sc. Microbiology learners, to be completed in ten hours. On the successful completion of bridge course learners will be awarded with certificate of course.

The topics prescribed in the syllabus mainly emphasis on need of Microbiology literacy in the society, Importance of microbiology in daily life, general introduction to the microbial World covering basic concepts and types of microorganisms. In the later section of syllabus, different streams of microbiology will be taught to create awareness about scope of microbiology. This course will fill the gap of subject knowledge between higher secondary level and undergraduate studies.

RAJARSHI SHAHU MAHAVIDYALAYA (AUTONOMOUS), LATUR

B.Sc. First year (Semester- I)
CORE COURSE: MICROBIOLOGY
TITLE OF COURSE: BRIDGE COURSE

Periods: 10

Objectives of the Course:

- To create awareness about scope of microbiology and carrier opportunities..
- To stimulate interest and curiosity in microbial science
- To increase student motivation to learn science

Course Outcome:

- Learners will develop interest in the subject of Microbiology and it will also be useful to fill the gap.
- Stimulating interest and curiosity in Microbiology will increase student motivation to learn applied areas of microbiology.

Unit I: Importance of Microbiology

1.1 Need for microbiology literacy in society.

1.2 Microbiology in the 21 st Century

1.3 Importance of microbiology in daily life.

1.4 Carrier opportunities in Microbiology

Unit II: Miracles from Microbes

2.1 The Mysterious Microbes

2.2 Introduction to microbial diversity