



**C. U. SHAH UNIVERSITY, WADHWAN CITY**  
**FACULTY OF LIFE SCIENCES**

# B.Sc.

**Teaching & Evaluation  
Scheme of  
B.Sc.(Microbiology)  
Semester – I&II  
WEF July-2016**



**C. U. SHAH UNIVERSITY, Wadhwan City**

**Name of Program : B. Sc.**

**Name of Branch : Microbiology**

**Semester : I**

**W.E.F. – July 2016**

## Teaching and Evaluation Scheme

| Sr. No.                   | Branch Code | Subject Code | Subject Name  | Teaching hours/week |    |    |       | Credit | Evaluation Scheme/semester |     |                 |     |           |     |            |     |             |
|---------------------------|-------------|--------------|---|---------------------|----|----|-------|--------|----------------------------|-----|-----------------|-----|-----------|-----|------------|-----|-------------|
|                           |             |              |   | Th                  | Tu | Pr | Total |        | Theory                     |     |                 |     | Practical |     |            |     | Total Marks |
|                           |             |              |   |                     |    |    |       |        | Sessional Exam             |     | University Exam |     | Internal  |     | University |     |             |
|                           |             |              |   |                     |    |    |       |        | Marks                      | Hrs | Marks           | Hrs | Pr        | TW  |            |     |             |
| <b>Core Courses</b>       |             |              |   |                     |    |    |       |        |                            |     |                 |     |           |     |            |     |             |
| 1                         | 09          | 4SC01IMD1    | Introduction to Microbiology and Microbial Diversity        | 4                   | 0  | 4  | 8     | 6      | 30                         | 1   | 70              | 3   | 30        | --- | 70         | 200 |             |
| 2                         |             | 4SC01CEB1    | Cell Biology  | 4                   | 0  | 4  | 8     | 6      | 30                         | 1   | 70              | 3   | 30        | --- | 70         | 200 |             |
| 3                         |             | 4SC01EVS1    | Environmental Science                                       | 3                   | 0  | 0  | 3     | 3      | 30                         | 1   | 70              | 3   | ---       | --- | ---        | 100 |             |
| 4                         |             | 4SC01CSM2    | Chemical Structure & Macromolecules                         | 2                   | 0  | 2  | 4     | 3      | 20                         | 1   | 50              | 3   | ---       | --- | 30         | 100 |             |
| 6                         |             | 4SC01SAM1    | Generic elective I (Scope and applications of microbiology) | 4                   | 0  | 0  | 4     | 4      | 30                         | 1   | 70              | 3   | ---       | --- | ---        | 100 |             |
| <b>Fundamental Course</b> |             |              |   |                     |    |    |       |        |                            |     |                 |     |           |     |            |     |             |
| 8                         | 09          | 4SC01FUE1    | Functional English - I                                      | 2                   | 0  | 0  | 2     | 2      | 30                         | 1   | 70              | 3   | ---       | --- | ---        | 100 |             |
| <b>Total:</b>             |             |              |   | 19                  | 0  | 10 | 29    | 24     | 170                        |     | 400             |     | 60        |     | 170        | 800 |             |

**Th- Theory, Tu-Tutorial/Seminar/Field Work, Pr-Practical, TW-Term Work**

**Note: - Theory----- 1 hr = 1 Credit,**

**Tutorial/Practical-----2 hr = 1 Credit.**



**C. U. SHAH UNIVERSITY, Wadhwan City**

**Name of Program : B. Sc.**

**Name of Branch : Microbiology**

**Semester : II**

**W.E.F. – July - 2016**

### Teaching and Evaluation Scheme

| Sr. No.                   | Branch Code | Subject Code | Subject Name                             | Teaching hours/week |    |    |       | Credit | Evaluation Scheme/semester |     |                 |     |           |     |             |            |
|---------------------------|-------------|--------------|--|---------------------|----|----|-------|--------|----------------------------|-----|-----------------|-----|-----------|-----|-------------|------------|
|                           |             |              |  | Th                  | Tu | Pr | Total |        | Theory                     |     |                 |     | Practical |     | Total Marks |            |
|                           |             |              |  |                     |    |    |       |        | Sessional Exam             |     | University Exam |     | Internal  |     |             | University |
|                           |             |              |  |                     |    |    |       |        | Marks                      | Hrs | Marks           | Hrs | Pr        | TW  |             |            |
| <b>Core Courses</b>       |             |              |  |                     |    |    |       |        |                            |     |                 |     |           |     |             |            |
| 1                         | 09          | 4SC02BIC1    | Biochemistry                             | 4                   | 0  | 4  | 8     | 6      | 30                         | 1   | 70              | 3   | 30        | --- | 70          | 200        |
| 2                         |             | 4SC02MOB1    | Molecular Biology                        | 4                   | 0  | 4  | 8     | 6      | 30                         | 1   | 70              | 3   | 30        | --- | 70          | 200        |
| 3                         |             | 4SC02COS2    | Computational Skills                     | 2                   | 0  | 2  | 4     | 3      | 20                         | 1   | 50              | 2   | ---       | --- | 30          | 100        |
| 4                         |             | 4SC02SOS1    | Stereochemistry In Organic Synthesis     | 2                   | 0  | 2  | 4     | 3      | 20                         | 1   | 50              | 2   | ---       | --- | 30          | 100        |
| 6                         |             | 4SC02BAV1    | Generic elective II (Basics of Virology) | 4                   | 0  | 0  | 4     | 4      | 30                         | 1   | 70              | 3   | ---       | --- | ---         | 100        |
| <b>Fundamental Course</b> |             |              |  |                     |    |    |       |        |                            |     |                 |     |           |     |             |            |
| 8                         | 09          | 4SC02FUE1    | Functional English II                    | 2                   | 0  | 0  | 2     | 2      | 30                         | 1   | 70              | 3   | ---       | --- | ---         | 100        |
| <b>Total:</b>             |             |              |  | 18                  | 0  | 12 | 30    | 24     | 160                        | --  | 380             | --  | 60        | --  | 200         | 800        |

**Th- Theory, Tu-Tutorial/Seminar/Field Work, Pr-Practical, TW-Term Work**

**Note: - Theory----- 1 hr = 1 Credit,**

**Tutorial/Practical-----2 hr = 1 Credit.**