# BHARATHIAR UNIVERSITY, COIMBATORE – 641 046

**B.Sc., MICROBIOLOGY DEGREE COURSE CBCS - OBE PATTERN : (AFFILIATED COLLEGES)**

**Revised Scheme of Examination for 2021-22 Batch Students**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Part** | | **Study Components** | **Course Title** | **Course / Subject Code** | **Ins. hrs / Week** | **Examinations** | | | | | **Credits** |
| **Dur.** | **CIA** | **Marks** | | **Total Marks** |
|  | | **SEMESTER – IV** | | |  |  |  |  | |  |  |  |
| I | | Language – IV | | | 41T/M/H/F | 6 | 3 | 50 | | 50 | 100 | 4 |
| II | | English – IV | | | 42E | 6 | 3 | 50 | | 50 | 100 | 4 |
| III | | Core Paper – V : Microbial Physiology | | | 43A | 4 | 3 | 50 | | 50 | 100 | 4 |
| III | | Core Practical – II | | | 43P | 4 | 6 | 50 | | 50 | 100 | 4 |
| III | | Allied – B : Paper – II: Biochemistry – II / Zoology –II | | | 4AC | 4 | 3 | 30 | | 45 | 75 | 3 |
| III | | Allied Practical – II | | | 43Q | 2 | 3 | 25 | | 25 | 50 | 2 |
| IV | | NAAN MUDHALVAN -Digital Skills for employability – Office Fundamentals | | |  | 2 | - | 25 | | 25 | 50\*\* | 2 |
|  | | <http://kb.naanmudhalvan.in/Special:Filepath/>  Microsoft.-course\_details\_.xlsx | | |
| I V | | Tamil @ / Advanced Tamil # (OR) Non – Major Elective – II (General Awareness #) | | | 4FA | 2 | 3 | - | | 50 | 50 | 2 |
|  | | **TOTAL** | | |  | **30** | **24** | **280** | | **345** | **625** | **25** |
|  | | **SEMESTER – V** | | |  |  |  |  | |  |  |  |
| III | | Core Paper – VI : Microbial Genetics | | | 53A | 5 | 3 | 25 | | 75 | 100 | 4 |
| III | | Core Paper – VII : Principles of Immunology | | | 53B | 5 | 3 | 25 | | 75 | 100 | 4 |
| III | | Core Paper – VIII : Food Microbiology | | | 53C | 4 | 3 | 25 | | 75 | 100 | 4 |
| III | | Core Paper – IX : Medical Microbiology | | | 53D | 4 | 3 | 25 | | 75 | 100 | 4 |
| III | | Elective – I | | | 5EA | 4 | 3 | 25 | | 75 | 100 | 4 |
| III | | Core Practical – III | | | 63P | 5 | - | - | | - | - | - |
| IV | | Skill based Subject – II: Diagnostic Microbiology – II | | | 5ZC | 3 | 3 | 20 | | 55 | 75 | 3 |
|  | | **TOTAL** | | |  | **30** | **18** | **145** | | **430** | **575** | **23** |
|  | | **SEMESTER – VI** | | |  |  |  |  | |  |  |  |
| III | | Core Paper – X: Industrial Microbiology | | | 63A | 5 | 3 | 25 | | 75 | 100 | 4 |
| III | | Core Paper – XI : Environmental and  Agricultural Microbiology | | | 63B | 5 | 3 | 25 | | 75 | 100 | 4 |
| III | | Core Paper – XII : Virology | | | 63C | 4 | 3 | 25 | | 75 | 100 | 4 |
| III | | Elective – II | | | 6EA | 4 | 3 | 25 | | 75 | 100 | 4 |
| III | | Elective – III | | | 6ED | 4 | 3 | 25 | | 75 | 100 | 4 |
| III | | Core Practical – III | | | 63P | 5 | 9 | 40 | | 60 | 100 | 4 |
| IV | | Skill based Subject – Practical | | | 6ZP | 3 | 6 | 30 | | 45 | 75 | 3 |
| IV | | Extension activities @ | | | 67A | - | - | 50 | | - | 50 | 2 |
| IV | | Employability readiness – Naandi-Naan Mudhalvan Course | | |  | 20 | - | - | | - | - | - |
|  | | **TOTAL** | | |  | **30** | **30** | **245** | | **480** | **725** | **29** |

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| **Institutional training / Internship:** Students should undergo an institutional training / Internship for a continuous period of 15days before semester VI. It is evidenced by certificate issued by the Principal of the College.  @ No University Examinations. Only Continuous Internal Assessment (CIA). # No Continuous Internal Assessment (CIA). Only University Examinations.  \* **Swatch Bharath Summer Internship is mandatory – Extra 2 credit points would be given.** |

* \*English II – University Semester examination will be conducted for 50 marks (As per existing pattern of examination) and it will be converted for 25 marks.
* \*\*Naan Mudhalvan – Skill Courses –external 25 marks will be assessed by Industry and internal will be offered by respective course teacher.

