



# UJJAIN ENGINEERING COLLEGE, UJJAIN. (MP) - 456 010

Scheme of Examination as per NEP-2020 (w.e.f. July-2024)

(Course : Bachelor of Technology)

Branch : **Elx. & Communication Engineering**

Semester : **I (FIRST)**

| Sr.No. | Category | S U B J E C T   |                                            | Contact Hours<br>per Week |   |    | Total<br>Credits |   | Distribution of Marks |     |     |           |      |       |
|--------|----------|-----------------|--------------------------------------------|---------------------------|---|----|------------------|---|-----------------------|-----|-----|-----------|------|-------|
|        |          | Subject<br>Code | Subject title                              |                           |   |    |                  |   | THEORY                |     |     | PRACTICAL |      | Total |
|        |          |                 |                                            | L                         | T | P  | T                | P | ESE                   | MST | QAR | ESE       | LQAR |       |
| 1      | BSC      | PH-1401         | Physics                                    | 3                         | 1 | 2  | 4                | 1 | 70                    | 20  | 10  | 30        | 20   | 150   |
| 2      | BSC      | MA-1401         | Mathematics - I                            | 3                         | 1 |    | 4                | 0 | 70                    | 20  | 10  |           |      | 100   |
| 3      | ESC      | CE-1401         | Basic Civil Engg. & Engg.<br>Mechanics     | 2                         | 1 | 2  | 3                | 1 | 70                    | 20  | 10  | 30        | 20   | 150   |
| 4      | ESC      | CS-1401         | C / C++ Programming for Problem<br>Solving | 2                         | 1 | 4  | 3                | 2 | 70                    | 20  | 10  | 30        | 20   | 150   |
| 5      | ESC      | ME-1401         | Basic Mechanical Engineering               | 2                         | 1 | 2  | 3                | 1 | 70                    | 20  | 10  | 30        | 20   | 150   |
| TOTAL  |          |                 |                                            | 12                        | 5 | 10 | 22               |   | 350                   | 100 | 50  | 120       | 80   | 700   |

Branch : **Elx. & Communication Engineering**

Semester : **II (SECOND)**

| Sr.No. | Category | SUBJECT         |                              | Contact Hours<br>per Week |   |    | Total<br>Credits |   | Distribution of Marks |     |     |           |      |       |
|--------|----------|-----------------|------------------------------|---------------------------|---|----|------------------|---|-----------------------|-----|-----|-----------|------|-------|
|        |          | Subject<br>Code | Subject title                |                           |   |    |                  |   | THEORY                |     |     | PRACTICAL |      | Total |
|        |          |                 |                              | L                         | T | P  | T                | P | ESE                   | MST | QAR | ESE       | LQAR |       |
| 1      | BSC      | MA-2401         | Mathematics - II             | 3                         | 1 |    | 4                | 0 | 70                    | 20  | 10  |           |      | 100   |
| 2      | ESC      | CM-1401         | E-Waste Management           | 3                         | 1 |    | 4                | 0 | 70                    | 20  | 10  |           |      | 100   |
| 3      | ESC      | EE-1401         | Basic Electrical Engineering | 2                         | 1 | 2  | 3                | 1 | 70                    | 20  | 10  | 30        | 20   | 150   |
| 4      | ESC      | ME-1402         | Engineering Graphics and CAD | 2                         |   | 4  | 2                | 2 | 70                    | 20  | 10  | 30        | 20   | 150   |
| 5      | HSMC     | EN-1401         | English                      | 3                         | 1 |    | 4                | 0 | 70                    | 20  | 10  |           |      | 100   |
| 6      | HSMC     | EN-1402         | Language Lab                 |                           |   | 2  | 0                | 1 |                       |     |     | 30        | 20   | 50    |
| 7      | ESC      | EE-1402         | E-Workshop                   |                           |   | 4  | 0                | 2 |                       |     |     | 60        | 40   | 100   |
| TOTAL  |          |                 |                              | 13                        | 4 | 12 | 23               |   | 350                   | 100 | 50  | 150       | 100  | 750   |

1 Hour Lecture (L) = 1 Credit    1 Hour Tutorial (T) = 1 Credit    2 Hours Practical (P) = 1 Credit

**Note :** Working Saturdays in a month together with one vacant class in a week can be used for other activities like cultural, sports, literary, NSS etc.

BOS MEMBER

BOS MEMBER

BOS CHAIRMAN  
HOD - **ELX & COMMUNICATION**

BSC Basic Science Course

ESE End Semester Examination

ESC Engineering Science Course

MST Mid Semester Test

HSMC Humanities & Social Sciences including Management Courses

QAR Quizzes Assignment & Regularity

LQAR Lab Work Quizzes Assignment & Regularity