

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology

BRANCH : Electronics and Communication Engineering

SEMESTER: III

| S.No. | Subject Code | Subject Name | Maximum Marks Allotted | | | | | | | Teaching Hour Per Week | | | Total Credits | Remark | |
|--------------|--------------|------------------------------|------------------------|------------|------------------|------------|----------------|------------------------------------|-----------------------------|------------------------|-----------|-----------|---------------|-----------|--|
| | | | Theory Slot | | | | Practical Slot | | | Total Marks | L | T | | | P |
| | | | End Sem | MST | Quiz, Assignment | Attendance | End Sem | Term Work | | | | | | | |
| | | | | | | | | Lab Performance, Lab Record & Viva | Assignment /Quiz/Attendance | | | | | | |
| 1 | BT- 1301 | Engineering Mathematics -II | 70 | 20 | 05 | 05 | - | - | - | 100 | 3 | 1 | - | 04 | One Hr. Lecture (L) refers to 1 credit, One Hr. Tutorial (T) refers to 1 credit, One Hr. Practical (P) refers to 0.5 credit. |
| 2 | ECT-1302 | Computer System Organization | 70 | 20 | 05 | 05 | - | - | 100 | 3 | 1 | - | 04 | | |
| 3 | ECT-1303 | Electronic Devices | 70 | 20 | 05 | 05 | 35 | 10 | 05 | 150 | 3 | 1 | 2 | 05 | |
| 4 | ECT-1304 | Electronic Instrumentation | 70 | 20 | 05 | 05 | 35 | 10 | 05 | 150 | 3 | 1 | 2 | 05 | |
| 5 | ECT-1305 | Network Analysis | 70 | 20 | 05 | 05 | 35 | 10 | 05 | 150 | 3 | 1 | 2 | 05 | |
| 6 | BT-1306 | C++ Programming | - | - | - | - | 35 | 10 | 05 | 50 | - | - | 2 | 01 | |
| 7 | BT-1307 | Professional Skills - I | - | - | - | - | - | - | 50 | 50 | - | - | 2 | 01 | |
| 8 | ECT-1308 | Software Lab – I | - | - | - | - | 35 | 10 | 05 | 50 | - | - | 2 | 01 | |
| Total | | | 350 | 100 | 25 | 25 | 175 | 50 | 75 | 800 | 15 | 05 | 12 | 26 | 800 |

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME : Bachelor of Technology

BRANCH : Electronics and Communication Engineering

SEMESTER: IV

| S.No. | Subject Code | Subject Name | Maximum Marks Allotted | | | | | | | | Teaching Hour Per Week | | | Total Credits | Remark | |
|--------------|--------------|------------------------------|------------------------|------------|------------------|------------|----------------|------------------------------------|-----------------------------|------------|------------------------|-----------|-----------|---------------|--|---|
| | | | Theory Slot | | | | Practical Slot | | | | Total Marks | L | T | | | P |
| | | | End Sem | MST | Quiz, Assignment | Attendance | End Sem | Term Work | | | | | | | | |
| | | | | | | | | Lab Performance, Lab Record & Viva | Assignment /Quiz/Attendance | | | | | | | |
| 1 | BT-1401 | Engineering Mathematics -III | 70 | 20 | 05 | 05 | - | - | - | 100 | 3 | 1 | - | 04 | One Hr. Lecture (L) refers to 1 credit, One Hr. Tutorial (T) refers to 1 credit, One Hr. Practical (P) refers to 0.5 credit. | |
| 2 | ECT-1402 | Control System | 70 | 20 | 05 | 05 | - | - | - | 100 | 3 | 1 | - | 04 | | |
| 3 | ECT-1403 | Electronic Circuits | 70 | 20 | 05 | 05 | 35 | 10 | 05 | 150 | 3 | 1 | 2 | 05 | | |
| 4 | ECT-1404 | Digital Logic Design | 70 | 20 | 05 | 05 | 35 | 10 | 05 | 150 | 3 | 1 | 2 | 05 | | |
| 5 | ECT-1405 | Analog Communication | 70 | 20 | 05 | 05 | 35 | 10 | 05 | 150 | 3 | 1 | 2 | 05 | | |
| 6 | ECT-1406 | Electronics Workshop-I | - | - | - | - | 35 | 10 | 05 | 50 | - | - | 2 | 01 | | |
| 7 | BT-1407 | Social Engineering | - | - | - | - | - | - | 50 | 50 | - | - | 2 | 01 | | |
| 8 | ECT-1408 | Software Lab -II | - | - | - | - | 35 | 10 | 05 | 50 | - | - | 2 | 01 | | |
| Total | | | 350 | 100 | 25 | 25 | 175 | 50 | 75 | 800 | 15 | 05 | 12 | 26 | 800 | |

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology

BRANCH : Electronics and Communication Engineering

SEMESTER: V

| S.No. | Subject Code | Subject Name | Maximum Marks Allotted | | | | | | | Teaching Hour Per Week | | | Total Credits | Remark | |
|--------------|--------------|---|------------------------|------------|------------------|------------|----------------|------------------------------------|-----------------------------|------------------------|-----------|-----------|---------------|-----------|--|
| | | | Theory Slot | | | | Practical Slot | | | Total Marks | L | T | | | P |
| | | | End Sem | MST | Quiz, Assignment | Attendance | End Sem | Term Work | | | | | | | |
| | | | | | | | | Lab Performance, Lab Record & Viva | Assignment /Quiz/Attendance | | | | | | |
| 1 | BT-1501 | Entrepreneurship & IPR | 70 | 20 | 05 | 05 | - | - | - | 100 | 3 | 1 | - | 04 | One Hr. Lecture (L) refers to 1 credit, One Hr. Tutorial (T) refers to 1 credit, One Hr. Practical (P) refers to 0.5 credit. |
| 2 | BT-1522 | Electromagnetic Theory | 70 | 20 | 05 | 05 | - | - | 100 | 3 | 1 | - | 04 | | |
| 3 | ECT-1503 | Digital Communication | 70 | 20 | 05 | 05 | 35 | 10 | 05 | 150 | 3 | 1 | 2 | 05 | |
| 4 | ECT-1504 | Microprocessor | 70 | 20 | 05 | 05 | 35 | 10 | 05 | 150 | 3 | 1 | 2 | 05 | |
| 5 | ECT-1505 | Communication Network & Transmission Line | 70 | 20 | 05 | 05 | 35 | 10 | 05 | 150 | 3 | 1 | 2 | 05 | |
| 6 | ECT-1506 | Electronics Workshop-II | - | - | - | - | 35 | 10 | 05 | 50 | - | - | 2 | 01 | |
| 7 | ECT-1507 | Industrial Training-I | - | - | - | - | 70 | 20 | 10 | 100 | - | - | 4 | 02 | |
| 8 | BT-1508 | #Indian Constitution | 35 | 00 | 10 | 05 | - | - | - | 50 | 2 | - | - | 00 | Grand Total |
| TOTAL | | | 350 | 100 | 25 | 25 | 210 | 60 | 30 | 800 | 17 | 05 | 12 | 26 | 800 |

Mandatory (Non Credit) subject as per UGC & AICTE. Non University Examination, End Sem marks not to be included in total marks and credit. Students must pass in this subject.

MST: Mid Semester Test (at least twice per Semester)

L: Lecture T: Tutorial P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology

BRANCH : Electronics and Communication Engineering

SEMESTER: VI

| S. No. | Subject Code | Subject Name | Maximum Marks Allotted | | | | | | | Teaching Hour Per Week | Total Credits | Remark | | | |
|--------------|----------------|-------------------------------|------------------------|------------|------------------------------------|-----------------------------|----------------|-----------|------------|------------------------|---------------|-----------|-----------|-----------|--|
| | | | Theory Slot | | | | Practical Slot | | | | | | | | |
| | | | End Sem | MST | Quiz, Assignment | Attendance | End Sem | Term Work | | | | | | | |
| | | | | | Lab Performance, Lab Record & Viva | Assignment /Quiz/Attendance | Total Marks | L | T | P | | | | | |
| 1 | Refer Table -I | Open Elective | 70 | 20 | 05 | 05 | - | - | - | 100 | 3 | 1 | - | 04 | One Hr. Lecture (L) refers to 1 credit, One Hr. Tutorial (T) refers to 1 credit, One Hr. Practical (P) refers to 0.5 credit. |
| 2 | ECT-1602 | Industrial Electronics | 70 | 20 | 05 | 05 | - | - | - | 100 | 3 | 1 | - | 04 | |
| 3 | ECT-1603 | Digital Signal Processing | 70 | 20 | 05 | 05 | 35 | 10 | 05 | 150 | 3 | 1 | 2 | 05 | |
| 4 | ECT-1604 | Microwave Engineering | 70 | 20 | 05 | 05 | 35 | 10 | 05 | 150 | 3 | 1 | 2 | 05 | |
| 5 | ECT-1605 | Data Communication & Networks | 70 | 20 | 05 | 05 | 35 | 10 | 05 | 150 | 3 | 1 | 2 | 05 | |
| 6 | ECT-1606 | IC Application Lab | - | - | - | - | 35 | 10 | 05 | 50 | - | - | 2 | 01 | |
| 7 | BT-1607 | Research Methodology | - | - | - | - | - | - | 50 | 50 | - | - | 2 | 01 | |
| 8 | BT-1608 | GD/Seminar | - | - | - | - | - | - | 50 | 50 | - | - | 2 | 01 | |
| Total | | | 350 | 100 | 25 | 25 | 140 | 40 | 120 | 800 | 15 | 05 | 12 | 26 | 800 |

Table I: Open Elective

| Subject Code | BT-16101 | BT-16102 | BT-16103 |
|--------------------------------------|----------------------------------|-----------------------------------|---------------------------|
| Name of Open Elective Subject | Ethical Hacking & Cyber Security | Human Health & Nutrition Disorder | Human Resource Management |

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology

BRANCH : Electronics and Communication Engineering

SEMESTER: VII

| S.No. | Subject Code | Subject Name | Maximum Marks Allotted | | | | | | | | Teaching Hour Per Week | | | Total Credits | Remark | |
|--------------|----------------|----------------------------|------------------------|-----------|------------------|------------|----------------|------------------------------------|-----------------------------|------------|------------------------|-----------|-----------|---------------|--|---|
| | | | Theory Slot | | | | Practical Slot | | | | Total Marks | L | T | | | P |
| | | | End Sem | MST | Quiz, Assignment | Attendance | End Sem | Term Work | | | | | | | | |
| | | | | | | | | Lab Performance, Lab Record & Viva | Assignment /Quiz/Attendance | | | | | | | |
| 1 | Refer Table-II | Professional Elective-I | 70 | 20 | 05 | 05 | - | - | - | 100 | 3 | 1 | - | 04 | One Hr. Lecture (L) refers to 1 credit, One Hr. Tutorial (T) refers to 1 credit, One Hr. Practical (P) refers to 0.5 credit. | |
| 2 | ECT-1702 | CMOS VLSI Design | 70 | 20 | 05 | 05 | - | - | - | 100 | 3 | 1 | - | 04 | | |
| 3 | ECT-1703 | Antenna & Wave Propagation | 70 | 20 | 05 | 05 | 35 | 10 | 05 | 150 | 3 | 1 | 2 | 05 | | |
| 4 | ECT-1704 | Optical Communication | 70 | 20 | 05 | 05 | 35 | 10 | 05 | 150 | 3 | 1 | 2 | 05 | | |
| 5 | ECT-1705 | CMOS VLSI Lab | - | - | - | - | - | - | 50 | 50 | - | - | 2 | 01 | | |
| 6 | ECT-1706 | Minor Project | - | - | - | - | 105 | 40 | 05 | 150 | - | - | 6 | 03 | | |
| 7 | ECT-1707 | Industrial Training-II | - | - | - | - | 70 | 25 | 05 | 100 | - | - | 4 | 02 | | |
| Total | | | 280 | 80 | 20 | 20 | 245 | 85 | 70 | 800 | 12 | 04 | 16 | 24 | 800 | |

Table II: Professional Elective-I

| Subject Code | ECT-17101 | ECT-17102 | ECT-17103 |
|---|-------------------------|---------------------------------|------------------------|
| Name of Professional Elective-I Subject | Satellite Communication | Cellular & Mobile Communication | Advanced Data Networks |

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical

PEOPLE'S UNIVERSITY, BHOPAL

Scheme of Examination

(Applicable for Admitted from Academic Session 2019-20 onwards)

PROGRAMME: Bachelor of Technology

BRANCH : Electronics and Communication Engineering

SEMESTER: VIII

| S.No. | Subject Code | Subject Name | Maximum Marks Allotted | | | | | | | | Teaching Hour Per Week | | | Total Credits | Remark | |
|--------------|-------------------|-------------------------------------|------------------------|-----------|------------------|------------|----------------|------------------------------------|-----------------------------|------------|------------------------|-----------|-----------|---------------|--|---|
| | | | Theory Slot | | | | Practical Slot | | | | Total Marks | L | T | | | P |
| | | | End Sem | MST | Quiz, Assignment | Attendance | End Sem | Term Work | | | | | | | | |
| | | | | | | | | Lab Performance, Lab Record & Viva | Assignment /Quiz/Attendance | | | | | | | |
| 1 | Refer Table - III | Professional Elective-II | 70 | 20 | 05 | 05 | - | - | - | 100 | 3 | 1 | - | 04 | One Hr. Lecture (L) refers to 1 credit, One Hr. Tutorial (T) refers to 1 credit, One Hr. Practical (P) refers to 0.5 credit. | |
| 2 | ECT-1802 | Advance Communication System | 70 | 20 | 05 | 05 | - | - | - | 100 | 3 | 1 | - | 04 | | |
| 3 | ECT-1803 | TV & Radar Engineering | 70 | 20 | 05 | 05 | 35 | 10 | 05 | 150 | 3 | 1 | 2 | 05 | | |
| 4 | ECT-1804 | Microcontroller & Embedded System | 70 | 20 | 05 | 05 | 35 | 10 | 05 | 150 | 3 | 1 | 2 | 05 | | |
| 5 | ECT-1805 | Advance Communication System Lab | - | - | - | - | - | - | 50 | 50 | - | - | 2 | 01 | | |
| 6 | ECT-1806 | Major Project | - | - | - | - | 140 | 55 | 05 | 200 | - | - | 8 | 04 | | |
| 7 | BT-1807 | Professional Ethics and Proficiency | - | - | - | - | 35 | 10 | 05 | 50 | - | - | 2 | 01 | | |
| Total | | | 280 | 80 | 20 | 20 | 245 | 85 | 70 | 800 | 12 | 04 | 16 | 24 | 800 | |

Table III: Professional Elective-II

| Subject Code | ECT-18101 | ECT-18102 | ECT-18103 |
|---|-----------------|-----------------------------------|----------------------------------|
| Name of Professional Elective –II Subject | Nanoelectronics | Wireless Communication & Networks | Modern Display & Imaging Devices |

MST: Mid Semester Test (at least twice per Semester)

L: Lecture

T: Tutorial

P: Practical