

B.Sc (Mathematics Electronics Computer Sciences)

B.Sc Course structure for Electronics

Core Subjects Mathematics-Electronics-Computer Sciences

CREDITS

Total No of Credits for Programme B.Sc (MECs)

123 + 4 = 127

Distribution among courses

PART-I (Languages; Indian Heritage, Culture & Value Education;
Science, Civilization & Environmental Studies)

24

PART-II (3 Subjects on Equal Weightage)

3 x 33 = 99

PART-III (Diversified Courses)

Minimum -- 3
Maximum -- 15

PART-IV (Extra-Curricular activities viz NCC, NSS, Games etc)

Minimum – 1
Maximum – 2

Allotment of credits for Electronics — 33 (Compulsory-28, optional-5)

| S. No | Semester | Title of the Course | Contact Hours | Evaluation | | Credits |
|--------------------------------|----------------------------|--------------------------------------------------------------------|---------------|----------------|----------------|---------|
| | | | | Internal Marks | External Marks | |
| 1 | I | <u>Paper – 1</u> Circuit Theory | 4 L + 1 T | 25 | 75 | 4 |
| 2 | II | <u>Paper – 2</u> Basic Electronics | 3 L + 2 T | 25 | 75 | 3 |
| 4 weeks On Job training | | | | | | |
| 3 | III | <u>Paper – 3</u> Electronic Devices & Circuits | 3 L + 2 T | 25 | 75 | 3 |
| 4 | IV | <u>Paper – 4</u> Analog & Digital Circuits | 4 L + 1 T | 25 | 75 | 4 |
| 4 weeks On Job training | | | | | | |
| 5 | V | <u>Paper – 5</u> Analog & Digital Communications | 3 L + 1 T | 25 | 75 | 3 |
| 6 | V | <u>Paper – 6</u> Microprocessor systems | 4L | 25 | 75 | 4 |
| 7 | VI Electives | <u>Paper – 7</u> Radar & Satellite Communications | 4 L | 25 | 75 | 4 |
| | | <u>Paper – 7</u> Optical Fibre Communications & Applications | | | | |
| 8 | VI | <u>Paper – 8</u> Project Work | 3 + 1 | 25 | 75 | 3 |
| 9 | I & II | <u>Practical – I</u> Circuit Theory & Basic Electronics Lab | 3 | 25 | 75 | 1 |
| 10 | III & IV | <u>Practical – II</u> Analog & Digital Circuits Lab | 3 | 25 | 75 | 1 |
| 11 | V & VI Electives | <u>Practical – III</u> Communication Systems Lab | 3 | 25 | 75 | 1 |
| | | <u>Practical - III</u> Communication Systems & Fibre Optics Lab | | | | |
| 12 | V & VI | <u>Practical – IV</u> Microprocessor & Microcontroller Lab | 3 | 25 | 75 | 2 |