

## B.Sc (Mathematics Physics Electronics)

### B.Sc Course structure for Electronics

#### Core Subjects Mathematics-Physics-Electronics

#### CREDITS

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

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
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
5	V	<u>Paper – 5</u> Analog and Digital Communications	3 L + 1 T	25	75	3
6	V	<u>Paper – 6</u> Microprocessor Systems	4L	25	75	4
7	VI	<u>Paper – 7</u> Radar & Satellite Communications	4 L	25	75	4
	<b>Electives</b>	<u>Paper – 7</u> Optical Fibre Communications & Applications				
8	VI	<u>Paper – 8</u> Microcontrollers and Embedded Systems	3 L + 1 T	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	<u>Practical – III</u> Communication Systems Lab	3	25	75	1
	<b>Electives</b>	<u>Practical - III</u> Communication Systems & Fibre Optics Lab				
12	V & VI	<u>Practical – IV</u> Microprocessors & Microcontrollers Lab	3	25	75	2