

Curriculum and Scheme of Examination

Diploma in Electronics and Communication Engineering (Full Time)

K - Scheme (With effect from 2008-2009)

Total Curriculum Hours: 35 Hours / Week

Total Working Hours: 35 Hours / Week

16 weeks/Semester

III Semester

Sl.No.	Subject code	Subject name	Hrs per week	Duration of exam hours	Examination marks			
					Allocation of marks			
					IA	BE*	Total	Min marks for pass
1.	14031	Electronics devices and circuits	6	3	25	75	100	40
2.	14032	Electric circuits and instrumentation	6	3	25	75	100	40
3.	14033	'C' programming and oops	6	3	25	75	100	40
4.	14034	Electronics devices and circuits lab	6	3	25	75	100	50
5.	14035	Electric circuits and instrumentation lab	6	3	25	75	100	50
6.	14036	'C' programming and oops lab	6	3	25	75	100	50

*Minimum of 30 marks out of 75 marks in Theory Examination

Minimum of 35 marks out of 75 marks in Practical Examination

IV Semester

Sl.No.	Subject code	Subject name	Hrs per week	Duration of exam hours	Examination marks			
					Allocation of marks			
					IA	BE*	Total	Min marks for pass
1.	14041	Analog and digital electronics	6	3	25	75	100	40
2.	14042	Industrial electronics	6	3	25	75	100	40
3.	14043	Communication engineering	6	3	25	75	100	40
4.	14044	Analog and digital electronics Lab	6	3	25	75	100	50
5.	14045	IE and CE Lab	6	3	25	75	100	50
6.	11011	Communication engineering Lab	4	3	25	75	100	50

*Minimum of 30 marks out of 75 marks in Theory Examination

*Minimum of 35 marks out of 75 marks in Practical Examination

V Semester

Sl.No.	Subject code	Subject name	Hrs per week	Duration of exam hours	Examination marks			
					Allocation of marks			
					IA	BE*	Total	Min marks for pass
1.	14051	Microprocessor and microcontroller	6	3	25	75	100	40
2.	14052	Advanced communication systems	6	3	25	75	100	40
3.	Elective – I		5	3	25	75	100	40
	14071	1.Digital Signal Processing						
	14072	2.VLSI						
	14073	3.Robotics and Auto Electronics						
4	14054	Microprocessor and microcontroller Lab	6	3	25	75	100	50
5.	14055	Advanced communication systems Lab	6	3	25	75	100	50
6.	Elective – 1		6	3	25	75	100	50
	14074	Digital Signal Processing						
	14075	VLSI Lab						
	14076	Robotics and Auto Electronics Lab						

*Minimum of 30 marks out of 75 marks in Theory Examination

Minimum of 35 marks out of 75 marks in Practical Examination

VI semester

Sl.No.	Subject code	Subject name	Hrs per week	Duration of exam hours	Examination marks			
					Allocation of marks			
					IA	BE*	Total	Min marks for pass
1.	14061	Computer hardware and networking	6	3	25	75	100	40
2.	14062	Embedded systems	6	3	25	75	100	40
3.	Elective – II		5	3	25	75	100	40
	14081	1.Digital image processing						
	14082	2.Television engineering						
	14083	3.Bio – medical instrumentation						
4.	14064	Computer hardware and networking	6	3	25	75	100	40
5.	14065	Embedded systems lab	6	3	25	75	100	50
6.	14066	Project work & entrepreneurship	6	3	25	75	100	50

*Minimum of 30 marks out of 75 marks in Theory Examination

Minimum of 35 marks out of 75 marks in Practical Examination