

**MAHARSHI DAYANAND UNIVERSITY, ROHTAK**  
**SCHEME OF STUDIES & EXAMINATIONS**  
**B.E 2<sup>nd</sup> YEAR APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING**  
**SEMESTER – III**  
**‘E’ Scheme effective from 2006-07**

Course No.	Course Title	Teaching Schedule				Marks for Class Work	Marks for Exam		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
HUM-201-E	Economics (Common for all branches)	3	1	-	4	50	100	-	150	3
MATH-201-E	Mathematics( Common for all branches)	3	2	-	5	50	100	-	150	3
EE-201-E	Electrical Engg. Materials & Semiconductor Devices(EL,EI,IC,EE,EEE AEI)	3	1	-	4	50	100	-	150	3
EE-203-E	Network Theory (EL,EI,IC,EE, EEE AEI)	3	1	-	4	50	100	-	150	3
EE-205-E	Electromechanical Energy Conversion (EL,EI,IC, AEI)	3	1	-	4	50	100	-	150	3
CSE-201-E	Data Structures & Algorithms (CSE,EL,IT,EI, AEI)	3	1	-	4	50	100	-	150	3
EE-221-E	Electrical Engg. Materials & Semiconductor Devices Lab. (EL,EI,IC, AEI)	0	0	2	2	25	-	25	50	3
EE-223-E	Network Theory Lab. (EL,EI,IC,EE& AEI)	0	0	2	2	25	-	25	50	3
EE-225-E	Electromechanical Energy Conversion Lab. (EL,EI,IC, AEI)	0	0	3	3	50	-	50	100	3
EE-231-E	Electrical Workshop(EL,EI,IC,EE, CHE, AEI)	0	0	2	2	25	-	25	50	3
	Total	18	7	9	34	425	600	125	1150	

**Note:**

1. **Students will be allowed to use Non-Programmable Scientific Calculator. However, Sharing of Calculator will not be permitted.**
2. **Duration of theory as well as practical exams. is three hours for all courses.**

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**B.E 2<sup>nd</sup> YEAR APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING**  
**SEMESTER – IV**  
**‘E’ Scheme effective from 2006-07**

Course No.	Course Title	Teaching Schedule				Marks for Class Work	Marks for Exam		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Prac.		
HUM—202-E	Fundamentals of Management (EE,EL,EI,IC,CHE,ME,EEE,AEI)	3	1	-	4	50	100	-	150	3
MATH-202-E	Numerical Methods (EE,EL,EI,IC,CHE,EEE,AEI)	3	1	-	4	50	100	-	150	3
EE-202-E	Analog Electronics (EI,EL, I & C,EE,EEE,AEI)	3	1	-	4	50	100	-	150	3
EE-204-E	Digital Electronics (EI,EL, I & C,EE,EEE,AEI) ( Common with IIIrd Sem. CSE, IT)	3	1	-	4	50	100	-	150	3
EE-208-E	Electromagnetic Theory (EL,EEE,EI,IC,AEI)	3	1	-	4	50	100	-	150	3
EE-210-E	Electrical Measurement & Measuring Instruments (EI,IC,EEE)	3	1	-	4	50	100	-	150	3
EE-212-E	Electrical Measurement & Measuring Instruments Lab (EI,IC,EEE)	0	0	2	2	25	-	25	50	3
EE-222-E	Analog Electronics Lab. Electronics (EI,EL, I & C,EE,EEE,AEI)	0	0	2	2	25	-	25	50	3
EE-224-E	Digital Electronics Lab.(EI,EL, I & C,EE,CSE,IT,EEE,AEI)	0	0	2	2	25	-	25	50	3
MATH-204-E	Numerical Methods Lab.(EI,EL,I&C,EE,CSE,EEE,AEI)	0	0	2	2	25	-	25	50	3
GPAEI-202-E	General Proficiency	-	-	-	-	50	-	-	50	-
	Total	18	6	8	32	450	600	100	1150	

**Note:**

1. Students will be allowed to use Non-Programmable Scientific Calculator. However, Sharing of Calculator will not be permitted.
2. Duration of theory as well as practical exams. is three hours for all courses.

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**SCHEME OF STUDIES & EXAMINATIONS**  
**B.E 3<sup>rd</sup> YEAR APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING**  
**SEMESTER – V**  
**‘E’ Scheme effective from 2006-07**

Course No.	Course Title	Teaching Schedule				Marks of class work	Examination		Total Marks	Duration of Exam.
		L	T	P	Total		Theory	Practical		
EE-303-E	Electronics Measurement and Instrumentation (AEI, EE, EL, EI, IC, EEE)	3	1	-	4	50	100	-	150	3
EE-317-E	Power Electronics (AEI, EE, EEE common with EL, IC VI sem.)	3	1	-	4	50	100	-	150	3
EE-309-E	Microprocessor and Interfacing (AEI, EL, EI, IC, CSE, IT, EEE)	3	1	-	4	50	100	-	150	3
AEI-301-E	Transducers & Measurements	3	1	-	4	50	100	-	150	3
EE-305-E	Analog Electronics Circuits (AEI, EL, EE, EI, IC, EEE)	3	1	-	4	50	100	-	150	3
IT-305-E	Computer Network (AEI, IT, common with CSE, EL, VI sem)	3	1	-	4	50	100	-	150	3
EE-329-E	Microprocessor and Interfacing Lab. (AEI, EL, EI, IC, CSE, IT, EEE)	-	-	2	2	25	-	25	50	3
AEI-303-E	Transducer & Measurement Lab.	-	-	2	2	25	-	25	50	3
EE-331-E	Electronics Circuit Simulation Lab. (AEI, EL, common with VI sem IC)	-	-	2	2	25	-	25	50	3
AEI-305-E	Analog Power Electronics Lab.	-	-	2	2	25	-	25	50	3
AEI-333-E	Practical Training-I	-	-	-	-	-	-	-	-	3
Total		18	6	8	32	425	600	100	1100	-

**Note:**

- 1) **Students will be allowed to use non-programmable scientific calculator. However, sharing of calculator will not be permitted in the examination.**
- 2) **Assessment of Practical Training-I, undergone at the end of IV semester, will be based on seminar, viva-voce, report and certificate of practical training obtained by the student from the industry. According to performance letter grades A, B, C, F are to be awarded. A student who is awarded ‘F’ grade is required to repeat Practical Training.**

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**SEMESTER – VI**  
**‘E’ Scheme effective from 2006-07**

Course No.	Course Title	Teaching Schedule				Marks of class work	Examination		Total Marks	Duration of Exam.
		L	T	P	Total		Theory	Practical		
EE-206-E	Communication Systems (AEI, EL, common with 4 <sup>th</sup> sem EL, EE, EEE)	3	1	-	4	50	100	-	150	3
AEI-302-E	Microcontroller	3	1	-	4	50	100	-	150	3
EE-304-E	Control System Engineering (AEI, EL, EE, EEE)	3	1	-	4	50	100	-	150	3
AEI-304-E	Biomedical Electronics Instrumentation	3	1	-	4	50	100	-	150	3
AEI-306-E	Telemetry, Recording & Data Acquisition System	3	1	-	4	50	100	-	150	3
EE-310-E	Digital System Design (AEI, EL, EE, EL, IC, CSE)	3	1	-	4	50	100	-	150	3
IT-304-E	Network Programming Lab. (AEI, EL, IT)	-	-	2	2	25	-	25	50	3
AEI-308-E	Microcontroller Lab.	-	-	2	2	25	-	25	50	3
EE-324-E	Control System Engg. Lab. (AEI, EL, EE, EEE)	-	-	2	2	25	-	25	50	3
EE-330-E	Digital System Design Lab. (AEI, EL, EI, IC, CSE)	-	-	2	2	25	-	25	50	3
GPAEI-302E	General Proficiency	-	-	-	-	50	-	-	50	3
Total		18	6	8	32	450	600	100	1150	

**Note:**

1. Each student has to undergo practical training of 6 weeks during summer vacation and its evaluation shall be carried out in the VII semester.
2. Students will be allowed to use non-programmable scientific calculator. However, sharing of calculator will not be permitted in the examination.