

**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR**  
**B.E. (Electrical Engineering)**  
**SCHEME OF EXAMINATION**

**THIRD SEMESTER**

S.N.	Sub Code	Subject	Board	Teaching Scheme				Credits	Examination Scheme			Min. Passing Marks	Paper Duration
				L	T	P	Total		College Assessment	Univ. Assessment	Total Marks		
1	BEELE301T	APPLIED MATHEMATICS-III	ASH	4	1	0	5	5	20	80	100	40	3 Hours
2	BEELE302T	NON CONVENTIONAL ENERGY SOURCES	EE	4	0	0	4	4	20	80	100	40	3 Hours
3	BEELE303T	ELECTRICAL MEASUREMENT AND INSTRUMENTATION	EE	4	1	0	5	5	20	80	100	40	3 Hours
4	BEELE303P	ELECTRICAL MEASUREMENT AND INSTRUMENTATION	EE	0	0	2	2	1	25	25	50	25	
5	BEELE304T	NETWORK ANALYSIS	EE	4	1	0	5	5	20	80	100	40	3 Hours
6	BEELE304P	NETWORK ANALYSIS	EE	0	0	2	2	1	25	25	50	25	
7	BEELE305T	ELECTRONIC DEVICES & CIRCUITS	EN	4	1	0	5	5	20	80	100	40	3 Hours
8	BEELE305P	ELECTRONIC DEVICES & CIRCUITS	EN	0	0	2	2	1	25	25	50	25	
		Total		20	4	6	30	27			650		

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**FOURTH SEMESTER**

S.N.	Sub Code	Subject	Board	Teaching Scheme				Credits	Examination Scheme			Min. Passing Marks	Paper Duration
				L	T	P	Total		College Assessment	Univ. Assessment	Total Marks		
1	BEELE401T	APPLIED MATHEMATICS - IV	ASH	4	1	0	5	5	20	80	100	40	3 Hours
2	BEELE402T	ELEMENTS OF ELECTROMAGNETICS	EE	4	1	0	5	5	20	80	100	40	3 Hours
3	BEELE403T	DIGITAL AND LINEAR ELECTRONIC CIRCUITS	EN	3	1	0	4	4	20	80	100	40	3 Hours
4	BEELE403P	DIGITAL AND LINEAR ELECTRONIC CIRCUITS	EN	0	0	2	2	1	25	25	50	25	
5	BEELE404T	ELECTRICAL MACHINES-I	EE	4	1	0	5	5	20	80	100	40	3 Hours
6	BEELE404P	ELECTRICAL MACHINES-I	EE	0	0	2	2	1	25	25	50	25	
7	BEELE405T	COMPUTER PROGRAMMING	EE	4	1	0	5	5	20	80	100	40	3 Hours
8	BEELE405P	COMPUTER PROGRAMMING	EE	0	0	2	2	1	25	25	50	25	
9	BEELE406T	ENVIRONMENTAL STUDIES	ASH	3	0	0	3	0	75 + 25		Grades		
		Total		22	5	6	33	27			650		

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**FIFTH SEMESTER**

S.N.	Sub Code	Subject	Board	Teaching Scheme				Credits	Examination Scheme			Min. Passing Marks	Paper Duration
				L	T	P	Total		College Assessment	Univ. Assessment	Total Marks		
1	BEELE501T	ELECTRICAL POWER SYST - I	EE	4	1	0	5	5	20	80	100	40	3 Hours
2	BEELE502T	UTILIZATION OF ELECTRIC ENERGY	EE	3	1	0	4	4	20	80	100	40	3 Hours
3	BEELE503T	ELECTRICAL MACHINE DESIGN	EE	4	1	0	5	5	20	80	100	40	3 Hours
4	BEELE504T	MICROPROCESSOR & INTERFACING	EN	3	1	0	4	4	20	80	100	40	3 Hours
5	BEELE504P	MICROPROCESSOR & INTERFACING	EN	0	0	2	2	1	25	25	50	25	
6	BEELE505T	ELECTRICAL MACHINES-II	EE	4	1	0	5	5	20	80	100	40	3 Hours
7	BEELE505P	ELECTRICAL MACHINES-II	EE	0	0	2	2	1	25	25	50	25	
8	BEELE506P	ELECTRICAL DRAWING & SIMULATION	EE	0	0	2	2	2	25	25	50	25	
9	BEELE507P	ELECTRICAL ENGINEERING WORKSHOP	EE	0	0	2	2	2	25	25	50	25	
		Total		18	5	8	31	29			700		

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**SIXTH SEMESTER**

S.N.	Sub Code	Subject	Board	Teaching Scheme				Credits	Examination Scheme			Min. Passing Marks	Paper Duration
				L	T	P	Total		College Assessment	Univ. Assessment	Total Marks		
1	BEELE601T	POWER STATION PRACTICE	EE	3	1	0	4	4	20	80	100	40	3 Hours
2	BEELE602T	ENGINEERING ECONOMICS & INDUSTRIAL MANAGEMENT	ASH	3	1	0	4	4	20	80	100	40	3 Hours
3	BEELE603T	ELECTRICAL DRIVES & THEIR CONTROL	EE	4	1	0	5	5	20	80	100	40	3 Hours
4	BEELE604T	POWER ELECTRONICS	EE	4	1	0	5	5	20	80	100	40	3 Hours
5	BEELE604P	POWER ELECTRONICS	EE	0	0	2	2	1	25	25	50	25	
6	BEELE605T	CONTROL SYSTEM-I	EE	4	1	0	5	5	20	80	100	40	3 Hours
7	BEELE605P	CONTROL SYSTEM-I	EE	0	0	2	2	1	25	25	50	25	
8	BEELE606P	INDUSTRIAL VISITS & REPORT WRITING	EE	0	0	2	2	2	50	0	50	25	
9	BEELE607T	FUNCTIONAL ENGLISH	ASH	2	0	0	2	2	10	40	50	20	2 Hours
		Total		20	5	6	31	29			700		

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**SEVENTH SEMESTER**

S.N.	Sub Code	Subject	Board	Teaching Scheme				Credits	Examination Scheme			Min. Passing Marks	Paper Duration
				L	T	P	Total		College Assessment	Univ. Assessment	Total Marks		
1	BEELE701T	CONTROL SYSTEM-II	EE	4	1	0	5	5	20	80	100	40	3 Hours
2	BEELE702T	<b>ELECTRICAL POWER SYSTEM –II</b>	EE	4	1	0	5	5	20	80	100	40	3 Hours
3	BEELE703T	<b>ELECTIVE –I</b>	EE	3	1	0	4	4	20	80	100	40	3 Hours
4	BEELE704T	HIGH VOLTAGE ENGINEERING	EE	4	1	0	5	5	20	80	100	40	3 Hours
5	BEELE704P	HIGH VOLTAGE ENGINEERING	EE	0	0	2	2	1	25	25	50	25	
6	BEELE705T	ELECTRICAL INSTALLATION DESIGN	EE	4	1	0	5	5	20	80	100	40	3 Hours
7	BEELE705P	ELECTRICAL INSTALLATION DESIGN	EE	0	0	2	2	2	25	25	50	25	
8	BEELE706P	PROJECT SEMINAR	EE	0	0	3	3	3	50	0	50	25	
		Total		19	5	7	31	30			650		

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**B.E. (Electrical Engineering)**  
**SCHEME OF EXAMINATION**

**EIGHTH SEMESTER**

S.N.	Sub Code	Subject	Board	Teaching Scheme				Credits	Examination Scheme			Min. Passing Marks	Paper Duration
				L	T	P	Total		College	Univ.	Total		
1	BEELE801T	ELECTIVE- II	EE	3	1	0	4	4	20	80	100	40	3 Hours
2	BEELE802T	ELECTIVE- III	EE	3	1	0	4	4	20	80	100	40	3 Hours
3	BEELE803T	SWITCHGEAR & PROTECTION	EE	4	1	0	5	5	20	80	100	40	3 Hours
	BEELE803P	SWITCHGEAR & PROTECTION	EE	0	0	2	2	1	25	25	50	25	
4	BEELE804T	COMPUTER APPLICATIONS IN POWER SYSTEM	EE	4	1	0	5	5	20	80	100	40	3 Hours
	BEELE804P	COMPUTER APPLICATIONS IN POWER SYSTEM	EE	0	0	2	2	1	25	25	50	25	
5	BEELE805P	PROJECT	EE	0	0	6	6	6	75	75	150	75	
		Total		14	4	10	28	26			650		

S. No.	ELECTIVE-I	ELECTIVE-II	ELECTIVE - III
1	IT and Its Applications in Power System Control	Entrepreneurship Development	Bio-medical Engineering
2	Fuzzy Logic and Neural Networks	Digital Signal Processing	Advanced Microprocessor Peripherals
3	Flexible AC Transmission Systems	Power Quality	Power Semiconductor Based Electric
4	Energy Management and Audit	EHV AC and HVDC Transmission	Electrical Distribution System



**Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**  
**Absorption Scheme for the students of B. E. Electrical Engg. (Electronics & Power)**  
**from OLD semester pattern to NEW semester pattern**

**V Semester B. E. Electrical Engineering**

<b>Subject Code</b>	<b>Name of subject in Old semester pattern</b>	<b>Subject Code</b>	<b>Name of subject in New semester pattern</b>
5S-EE-01	ELECTRICAL POWER SYSTEM-I (Th.)	BEELE501T	ELECTRICAL POWER SYSTEM - I
5S-EE-02	INSTRUMENTATION (Th.)		----
5S-EE-03	ELECTRICAL MACHINES DESIGN (Th.)	BEELE503T	ELECTRICAL MACHINE DESIGN
5S-EE-04	MICROPROCESSOR & INTERFACING (Th.)	BEELE504T	MICROPROCESSOR & INTERFACING
	MICROPROCESSOR & INTERFACING (Pract.)	BEELE504P	MICROPROCESSOR & INTERFACING
5S-EE-05	ELECTRICAL MACHINES-II (Th.)	BEELE505T	ELECTRICAL MACHINES-II
5S-EE-05	ELECTRICAL MACHINES-II (Pract.)	BEELE505P	ELECTRICAL MACHINES-II
5S-EE-06	ELECTRICAL ENGG. WORKSHOP	BEELE507P	ELECTRICAL ENGINEERING WORKSHOP
	-----	BEELE506P	ELECTRICAL DRAWING & SIMULATION*
	-----	BEELE502T	UTILIZATION OF ELECTRIC ENERGY *

\* The students who fail to clear any subject(s) of the V semester (old pattern) by the last chance prescribed, shall be required to clear the respective equivalent subject of V semester (new pattern) along with an additional subject marked with (\*).



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**Absorption Scheme for the students of B. E. Electrical Engg. (Electronics & Power)**  
**from OLD semester pattern to NEW semester pattern**

**VI Semester B. E. Electrical Engineering**

Subject Code	Name of subject in Old semester pattern	Subject Code	Name of subject in New semester pattern
6S-EE-01	POWER STATION PRACTICE (Th.)	BEELE601T	POWER STATION PRACTICE
6S-EE-02	ENGG.ECO. & IND. MGT. (Th.)	BEELE602T	ENGG.ECO. & IND. MGT
6S-EE-03	ELECT. DRIVES & THEIR CONTROL (Th.)	BEELE603T	ELECT. DRIVES & THEIR CONTROL
6S-EE-04	LINEAR ELECTRONIC CIRCUITS (Th.)		----
	LINEAR ELECTRONIC CIRCUITS (Pract.)		----
6S-EE-05	CONTROL SYSTEM-I (Th.)	BEELE605T	CONTROL SYSTEM-I
	CONTROL SYSTEM-I (Pract.)	BEELE605P	CONTROL SYSTEM-I
6S-EE-06	COMP. AIDED ELECT.ENGG. DRAWING (Pract.)	---	-----
		BEELE604T	POWER ELECTRONICS*
		BEELE604P	POWER ELECTRONICS*
		BEELE606P	INDUSTRIAL VISITS &REPORT WRITING*
		BEELE607T	FUNCTIONAL ENGLISH*

\* The students who fail to clear any subject(s) of the VI semester (old pattern) by the last chance prescribed, shall be required to clear the respective equivalent subject of VI semester (new pattern) along with an additional subject marked with (\*).