

GOVERNMENT OF RAJASTHAN
BOARD OF TECHNICAL EDUCATION RAJASTHAN, JODHPUR
TEACHING AND EXAMINATION SCHEME
(SEMESTER SCHEME-2020-21)
FOR DIPLOMA III SEMESTER (ELECTRICAL ENGINEERING) (EE)
SESSION 2021-2022 & ONWARDS

Subject Category	Subject Code	Subjects	Distribution of Time				Distribution of Max. Marks/ Duration						Total Marks	Credits	
			Hours per week				End Semester Exam			Internal Assessment					
			L	T	P	Tot	TH	Hrs	PR	Hrs.	CT	TU/ Assi			PR(S)
PC	EE 3001	Introduction to Electric Generation Systems	3	0	0	3	60	3	-	-	20	20	-	100	3
PC	EE 3002	Electrical Circuits	3	1	0	4	60	3	-	-	20	20	-	100	4
PC	EE 3003	Electrical and Electronic Measurements	2	1	0	3	60	3	-	-	20	20	-	100	3
PC	EE 3004	Electric Motors and Transformers	2	1	0	3	60	3	-	-	20	20	-	100	3
PC	EE 3005	Renewable Energy Power Plants	3	0	0	3	60	3	-	-	20	20	-	100	3
PC	EE 3006	Introduction to Electric Generation Systems Lab.	0	0	2	2	-	-	40	3	-	-	60	100	1
PC	EE 3007	Electrical Circuits Lab.	0	0	2	2	-	-	40	3	-	-	60	100	1
PC	EE 3008	Electrical and Electronic Measurements Lab.	0	0	2	2	-	-	40	3	-	-	60	100	1
PC	EE 3009	Electric Motors and Transformers Lab.	0	0	2	2	-	-	40	3	-	-	60	100	1
PC	EE 3010	Renewable Energy Power Plants Lab.	0	0	2	2	-	-	40	3	-	-	60	100	1
SI	EE3011	Summer internship -1 (4 weeks after II Sem.)	-	-	-	-	-	-	100	-	-	-	-	100	2
VS	+EE 3333	Anandam (Joy of Giving)	--	--	1	1	--	--	--	--	--	--	100	100	2
		Students Centered Activities	0	0	3	3	--	--	--	--	--	--	--	--	--
		Total	13	3	14	30	300		300		100	100	400	1200	25
Grand Total :													1200	25	

- | | |
|--|---|
| 1. L : Lecture | 5. PR : Marks for End Semester Exam for Practical |
| 2. T : Tutorial | 6. CT : Marks for class tests (Internal Assessment) |
| 3. P : Practical | 7. TU/Assi : Marks for tutorials/Assignment (Internal Assessment) |
| 4. TH : Marks for End Semester Exam for Theory | 8. PR(S) : Marks for practical and viva (Internal Assessment) |

+EE 3333 is same in all branches of Engineering

Anandam (Joy of Giving): In addition to the practical of one hour every week, students will have to do activities at home and college after college hours.

Students Centered Activities include 1. Expert lectures/ practice sessions on technical topics of common interest 2. Personality development 3. Human values 4. Industrial visits 5. Art of living 6. Environmental issues 7. Quiz programs 8. Interview techniques 9. Greening and cleaning of campus 10. Disaster Management techniques etc. Student Centered Activities will be graded as A, B, C & D on the basis of attendance and interest of the student in learning.

GOVERNMENT OF RAJASTHAN
BOARD OF TECHNICAL EDUCATION RAJASTHAN, JODHPUR
TEACHING AND EXAMINATION SCHEME
FOR DIPLOMA IV SEMESTER (ELECTRICAL ENGINEERING) (EE)
(SEMESTER SCHEME-2020-21)
 SESSION 2021-2022 & ONWARDS

Subject Category	Subject Code	Subjects	Distribution of Time				Distribution of Max. Marks/ Duration						Total Marks	Credits	
			Hours per week				End Semester Exam			Internal Assessment					
			L	T	P	Tot	TH	Hrs.	PR	Hrs	CT	TU/Assi			PR(S)
PC	EE 4001	Fundamentals of Power Electronics	3	0	0	3	60	3	-	-	20	20	-	100	3
PC	EE 4002	Electric Power Transmission and Distribution	3	0	0	3	60	3	-	-	20	20	-	100	3
PC	EE 4003	Induction, Synchronous and Special Electrical Machines	2	1	0	3	60	3	-	-	20	20	-	100	3
PE	EE 4004	Programme Elective-I EE 40041- Industrial Instrumentation and Condition Monitoring EE 40042- Illumination Practices	3	0	0	3	60	3	-	-	20	20	-	100	3
PE	EE 4005	Programme Elective-II EE 40051- Electrical Estimation and Contracting EE 40052- Electric Vehicles	3	0	0	3	60	3	-	-	20	20	-	100	3
PC	EE 4006	Fundamentals of Power Electronics Lab.	0	0	2	2	-	-	40	3	-	-	60	100	1
PC	EE 4007	Electric Power Transmission and Distribution Lab	0	0	2	2	-	-	40	3	-	-	60	100	1
PE	EE 4008	Programme Elective I Lab. EE 40081- Industrial Instrumentation and Condition Monitoring Lab EE 40082- Illumination Practices Lab	0	0	2	2	-	-	40	3	-	-	60	100	1
PE	EE 4009	Programme Elective II Lab. EE 40091- Electrical Estimation and Contracting Lab EE 40092- Electric Vehicles Lab	0	0	2	2	-	-	40	3	-	-	60	100	1
PC	EE 4010	Induction, Synchronous and Special Electrical Machines Lab.	0	0	2	2	-	-	40	3	-	-	60	100	1
PR	EE 4011	Minor Project	0	0	4	4	--	--	40	--	--	--	60	100	2
AU	[†] EE 4222	Essence of Indian Knowledge and Tradition	2	0	0	2	--	--	--	--	--	--	--	--	0
VS	[†] EE 4444	Anandam (Joy of Giving)	--	--	1	1	--	--	--	--	--	--	100	100	2
		Students Centered Activities	0	0	3	3	--	--	--	--	--	--	--	--	--
		Total	16	1	18	35	300		240		100	100	460	1200	24
Grand Total :													1200	24	

1. L : Lecture

2. T : Tutorial

3. P : Practical

4. TH : Marks for End Semester Exam for Theory

5. PR : Marks for End Semester Exam for Practical

6. CT : Marks for class tests (Internal Assessment)

7. TU/Assi : Marks for tutorials/Assignment (Internal Assessment)

8. PR(S) : Marks for practical and viva (Internal Assessment)

[†]EE 4222 and [†]EE 4444 are same in all branches of Engineering**Anandam (Joy of Giving):** In addition to the practical of one hour every week, students will have to do activities at home and college after college hours.**Students Centered Activities include** 1. Expert lectures/ practice sessions on technical topics of common interest 2. Personality development 3. Human values 4. Industrial visits 5. Art of living 6. Environmental issues 7. Quiz programs 8. Interview techniques 9. Greening and cleaning of campus 10. Disaster Management Techniques etc.

Student Centered Activities will be graded as A, B, C & D on the basis of attendance and interest of the student in learning.

Students will go for 6 Weeks Summer Internship in the Summer Vacations after Fourth Semester. The assessment of the Summer Internship will be done in Fifth Semester

GOVERNMENT OF RAJASTHAN
BOARD OF TECHNICAL EDUCATION RAJASTHAN, JODHPUR
TEACHING AND EXAMINATION SCHEME
(SEMESTER SCHEME-2020-21)
FOR DIPLOMA V SEMESTER (ELECTRICAL ENGINEERING) (EE)
SESSION 2022-2023 & ONWARDS

Subject Category	Subject Code	Subjects	Distribution of Time				Distribution of Max. Marks/ Duration						Total Marks	Credits	
			Hours per week				End Semester Exam			Internal Assessment					
			L	T	P	Tot	TH	Hrs.	PR	Hrs.	CT	TU/Assi			PR(S)
PC	EE 5001	Microcontroller Applications	3	0	0	3	60	3	-	-	20	20	-	100	3
PC	EE 5002	Energy Conservation and Audit	3	0	0	3	60	3	-	-	20	20	-	100	3
OE	+EE 5100	Open Elective-I +EE 51001- Economic Policies in India +EE 51002- Engineering Economics & Accountancy	3	0	0	3	60	3	-	-	20	20	-	100	3
PE	EE 5003	Programme Elective III EE50031- Switchgear and Protection EE50032- Electrical Testing and Commissioning	3	0	0	3	60	3	-	-	20	20	-	100	3
PE	EE 5004	Programme Elective IV EE50041- Electric Traction EE50042- Industrial Drives	3	0	0	3	60	3	-	-	20	20	-	100	3
PC	EE 5005	Microcontroller Applications Lab.	0	0	2	2	-	-	40	3	-	-	60	100	1
PC	EE 5006	Energy Conservation and Audit Lab.	0	0	2	2	-	-	40	3	-	-	60	100	1
PE	EE 5007	Programme Elective III Lab. EE50071- Switchgear and Protection Lab EE50072- Electrical Testing and Commissioning Lab	0	0	2	2	-	-	40	3	-	-	60	100	1
PE	EE 5008	Programme Elective IV Lab EE50081- Electric Traction Lab EE50082- Industrial Drives. Lab	0	0	2	2	-	-	40	3	-	-	60	100	1
SI	EE 5009	Summer Internship-II (6 weeks after IVSem)	0	0	0	0	-	-	100	-	-	-	-	100	3
PR	EE 5010	Major Project	0	0	2	2	-	-	-	-	-	-	-	-	--
VS	+EE 5555	Anandam (Joy of Giving)	--	--	1	1	--	--	--	--	--	--	100	100	2
		Students Centered Activities	0	0	3	3	--	--	--	--	--	--	--	--	--
		Total	15	0	14	29	300		260		100	100	340	1100	24
Grand Total :													1100	24	

1. L : Lecture

2. T : Tutorial

3. P : Practical

4. TH : Marks for End Semester Exam for Theory

5. PR : Marks for End Semester Exam for Practical

6. CT : Marks for class tests (Internal Assessment)

7. TU/Assi : Marks for tutorials/Assignment (Internal Assessment)

8. PR(S) : Marks for practical and viva (Internal Assessment)

+EE 51001, +EE 51002 and +EE 5555 are same in all branches of Engineering

Anandam (Joy of Giving): In addition to the practical of one hour every week, students will have to do activities at home and college after college hours.**Students Centered Activities include** 1. Expert lectures/ practice sessions on technical topics of common interest 2. Personality development 3. Human values 4. Industrial visits 5. Art of living 6. Environmental issues 7. Quiz programs 8. Interview techniques 9. Greening and cleaning of campus 10. Disaster Management techniques etc. Student Centered Activities will be graded as A, B, C & D on the basis of attendance and interest of the student in learning

GOVERNMENT OF RAJASTHAN
BOARD OF TECHNICAL EDUCATION RAJASTHAN, JODHPUR
TEACHING AND EXAMINATION SCHEME
FOR DIPLOMA VI SEMESTER (ELECTRICAL ENGINEERING) (EE)
(SEMESTER SCHEME-2020-21)
SESSION 2022-2023 & ONWARDS

Subject Category	Subject Code	Subjects	Distribution of Time				Distribution of Max. Marks/ Duration							Total Marks	Credits
			Hours per week				End Semester Exam				Internal Assessment				
			L	T	P	Tot	TH	Hrs	PR	Hrs	CT	TU/Assi	PR(S)		
PC	EE 6001	Building Electrification	3	0	0	3	60	3	-	-	20	20	-	100	3
HS	+EE 6111	Entrepreneurship and Start-ups	3	1	0	4	60	3	-	-	20	20	-	100	4
OE	+EE 6200	Open Elective-II +EE 62001- Project Management +EE 62002- Renewable Energy Technologies	3	0	0	3	60	3	-	-	20	20	-	100	3
OE	+EE 6300	Open Elective-III +EE 63001- Product Design +EE 63002- Disaster Management	3	0	0	3	60	3	-	-	20	20	-	100	3
AU	+EE 6333	Indian Constitution	2	0	0	2	-	-	-	-	-	-	-	-	0
PC	EE 6002	Building Electrification Lab	0	0	2	2	-	-	40	3	-	-	60	100	1
PR	EE 6003	Major Project	--	--	6	6	--	--	40	--	--	--	60	100	4
SE	EE 6004	Seminar	1	0	0	1	-	-	-	-	-	-	100	100	1
VS	+EE 6666	Anandam (Joy of Giving)	--	--	1	1	--	--	--	--	--	--	100	100	2
		Students Centered Activities	0	0	3	3	--	--	--	--	--	--	--	--	--
		Total	15	1	12	28	240		80		80	80	320	800	21
Grand Total :													800	21	

- | | |
|--|---|
| 1. L : Lecture | 5. PR : Marks for End Semester Exam for Practical |
| 2. T : Tutorial | 6. CT : Marks for class tests (Internal Assessment) |
| 3. P : Practical | 7. TU/Assi : Marks for tutorials/Assignment (Internal Assessment) |
| 4. TH : Marks for End Semester Exam for Theory | 8. PR(S) : Marks for practical and viva (Internal Assessment) |

+EE 6111, +EE 62001, +EE 62002, +EE 63001, +EE 63002, +EE 6333 and +EE 6666 are same in all branches of Engineering

Anandam (Joy of Giving): In addition to the practical of one hour every week, students will have to do activities at home and college after college hours.

Students Centered Activities include 1. Expert lectures/ practice sessions on technical topics of common interest 2. Personality development 3. Human values 4. Industrial visits 5. Art of living 6. Environmental issues 7. Quiz programs 8. Interview techniques 9. Greening and cleaning of campus 10. Disaster Management techniques etc.

Student Centered Activities will be graded as A, B, C & D on the basis of attendance and interest of the student in learning.