

GOVERNMENT OF RAJASTHAN
BOARD OF TECHNICAL EDUCATION RAJASTHAN, JODHPUR
TEACHING AND EXAMINATION SCHEME
(SEMESTER SCHEME-2020-21)
FOR DIPLOMA III SEMESTER (ELECTRONICS ENGINEERING) (EL)
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/As sign			PR(S)
PC	*EL 3001	Principles of Electronic Communication	4	0	0	4	60	3	-	-	20	20	-	100	4
PC	*EL 3002	Electronic Devices and Circuits	3	0	0	3	60	3	-	-	20	20	-	100	3
PC	*EL 3003	Digital Electronics	3	0	0	3	60	3	-	-	20	20	-	100	3
PC	EL 3004	Electronic Measurements and Instrumentation	3	0	0	3	60	3	-	-	20	20	-	100	3
PC	*EL 3005	Electric circuits and network	2	1	0	3	60	3	-	-	20	20	-	100	3
PC	*EL 3006	Principles of Electronic Communication Lab	0	0	2	2	-	-	40	-	-	-	60	100	1
PC	*EL 3007	Electronic Devices and Circuits Lab	0	0	2	2	-	-	40	-	-	-	60	100	1
PC	*EL 3008	Digital Electronics Lab	0	0	2	2	-	-	40	-	-	-	60	100	1
PC	EL 3009	Electronic Measurements and Instrumentation Lab	0	0	2	2	-	-	40	-	-	-	60	100	1
SI	EL 3010	Summer Internship-I(4 weeks after II Sem)	-	-	-	-	-	-	100	-	-	-	-	100	2
VS	+EL 3333	Anandam (Joy of Giving)	-	-	1	1	-	-	-	-	-	-	100	100	2
		Students Centered Activities	0	0	3	3	-	-	-	-	-	-	-	-	-
		Total	15	1	12	28	300		260		100	100	340	1100	24
		Grand Total :												1100	24

- | | |
|--|---|
| 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) |

Note: +EL 3333 is same in all branches of Engineering

*EL 3001, *EL 3002, *EL 3003, *EL 3005, *EL 3006, *EL 3007 and *EL 3008 are same as *EF 3001, *EF 3002, *EF 3003, *EF 3005, *EF 3006, *EF 3007 and *EF 3008

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.

Student 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 9. 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.

TEACHING AND EXAMINATION SCHEME
(SEMESTER SCHEME-2020-21)
FOR DIPLOMA IV SEMESTER (ELECTRONICS ENGINEERING)(EL)
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	*EL 4001	Microcontroller and Applications	3	0	0	3	60	3	-	-	20	20	-	100	3
PC	EL 4002	Consumer Electronics	3	0	0	3	60	3	-	-	20	20	-	100	3
PC	EL 4003	Digital Communication Systems	3	0	0	3	60	3	-	-	20	20	-	100	3
PE	EL 4004	Programme Elective- I *EL40041- Electronic Equipment Maintenance *EL40042- Simulation Software	3	0	0	3	60	3	-	-	20	20	-	100	3
PE	EL 4005	Programme Elective II *EL40051- Linear Integrated Circuits *EL40052- Power Electronics	3	0	0	3	60	3	-	-	20	20	-	100	3
PC	*EL 4006	Microcontroller and Applications Lab	0	0	2	2	-	-	40	3	-	-	60	100	1
PC	EL 4007	Digital Communication Systems Lab	0	0	2	2	-	-	40	3	-	-	60	100	1
PE	EL 4008	Programme Elective- I Lab *EL40081- Electronic Equipment Maintenance Lab *EL40082- Simulation Software Lab	0	0	2	2	-	-	40	3	-	-	60	100	1
PE	EL4 009	Programme Elective II Lab *EL40091- Linear Integrated Circuits Lab *EL40092- Power Electronics Lab	0	0	2	2	-	-	40	3	-	-	60	100	1
PR	EL 4010	Minor Project	0	0	4	4	--	--	40	--	--	--	60	100	2
AU	+EL 4222	Essence of Indian Knowledge and Tradition	2	0	0	2		--	--	--	--	--	--	--	0
VS	+EL 4444	Anandam (Joy of Giving)	--	--	1	1	--	--	--	--	--	--	100	100	2
		Students Centered Activities	0	0	3	3	--	--	--	--	--	--	--	--	--
		Total	17	0	16	33	300		200		100	100	400	1100	23
Grand Total :													1100	23	

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)

*EL 4222 and *EL 4444 are same in all branches of Engineering *EL 4001, *EL 40041, EL 40042, EL 40051, EL 40052, *EL 4006 and *EL 40081, EL 40082, *EL 40091 and EL 40092, are same as *EF 4001, *EF 40041, EF 40042, EF 40051, EF 40052, *EF 4006 and *EF 40081, EF 40082, *EF 40091 and EF 40092 respectively

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.

Student 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 9. 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

(SEMESTER SCHEME-2020-21)
FOR DIPLOMA V SEMESTER (ELECTRONICS ENGINEERING)
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	*EL 5001	Embedded Systems	4	0	0	4	60	3	-	-	20	20	-	100	4
PC	*EL 5002	Mobile and Wireless Communication	3	0	0	3	60	3	-	-	20	20	-	100	3
OE	+EL 5100	Open Elective-I *EL 51001- Economic Policies in India *EL 51002- Engineering Economics & Accountancy	3	0	0	3	60	3	-	-	20	20	-	100	3
PE	EL 5003	Programme Elective III *EL50031- Industrial Automation *EL50032- Control System And PLC	3	0	0	3	60	3	-	-	20	20	-	100	3
PE	EL 5004	Programme Elective IV *EL50041- Microwave and RADAR EL50042- Optical Communication and networking	3	0	0	3	60	3	-	-	20	20	-	100	3
PC	*EL 5005	Embedded Systems Lab	0	0	2	2	-	-	40	3	-	-	60	100	1
PC	*EL 5006	Mobile and Wireless Communication Lab	0	0	2	2	-	-	40	3	-	-	60	100	1
PE	EL 5007	Programme Elective III Lab *EL50071- Industrial AutomationLab *EL50072- Control System And PLC Lab	0	0	2	2	-	-	40	3	-	-	60	100	1
PE	EL 5008	Programme Elective IV Lab *EL50081- Microwave and RADAR Lab EL50082- Optical Communication and networking Lab	0	0	2	2	-	-	40	3	-	-	60	100	1
SI	EL 5009	Summer Internship-II(6 weeks after IV S Labem)	0	0	0	0	-	-	100	-	-	-	-	100	3
PR	EL 5010	Major Project	0	0	2	2	-	-	-	-	-	-	-	-	--
VS	+EL 5555	Anandam (Joy of Giving)	--	--	1	1	--	--	--	--	--	--	100	100	2
		Students Centered Activities	0	0	3	3	--	--	--	--	--	--	--	--	--
		Total	16	0	14	30	300		260		100	100	340	1100	25
													Grand Total :	1100	25

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)

*EL 51001, *EL 51002 and *EL 5555 are same in all branches of Engineering *EL 5001, *EL 5002, *EL 50031, *EL 50032, *EL 50041, EL 5005, *EL 5006, *EL 50071, , *EL 50072, and *EL 50081, are same as *EF 5001, *EF 5002, *EF 50031, *EF 50032, *EF 50041, EF 5005, *EF 5006, *EF 50071, *EF 50072, and *EF 50081 respectively

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.

Student 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 9. 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
(SEMESTER SCHEME-2020-21)
FOR DIPLOMA VI SEMESTER (ELECTRONICS ENGINEERING)
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	EL 6001	Computer Networking and Data Communication	4	0	0	4	60	3	-	-	20	20	-	100	4
HS	+EL 6111	Entrepreneurship and Startups	3	1	0	4	60	3	-	-	20	20	-	100	4
OE	+EL 6200	Open Elective-II +EL 62001- Project Management +EL 62002- Renewable Energy Technologies	3	0	0	3	60	3	-	-	20	20	-	100	3
OE	+EL 6300	Open Elective-III +EL 63001- Product Design +EL 63002- Disaster Management	3	0	0	3	60	3	-	-	20	20	-	100	3
AU	+EL 6333	Indian Constitution	2	0	0	2	-	-	-	-	-	-	-	-	0
PC	EL 6002	Computer Networking and Data Communication Lab	0	0	2	2	-	-	40	3	-	-	60	100	1
PR	EL 6003	Major Project	0	0	6	6	--	--	40	--	--	--	60	100	4
SE	EL 6004	Seminar	1	0	0	1	-	-	-	-	-	-	100	100	1
VS	+EL 6666	Anandam (Joy of Giving)	--	--	1	1	--	--	--	--	--	--	100	100	2
		Students Centered Activities	0	0	3	3	--	--	--	--	--	--	--	--	--
		Total	16	1	12	29	240		80		80	80	320	800	22
Grand Total :													800	22	

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)

+ EL 6111, +EL 62001, +EL 62002, +EL 63001, +EL 63002, +EL 6333 and +EL 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.

Student 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 9. 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.