

GOVERNMENT OF RAJASTHAN
BOARD OF TECHNICAL EDUCATION RAJASTHAN, JODHPUR
TEACHING AND EXAMINATION SCHEME
(SEMESTER SCHEME-2020-21)
FOR DIPLOMA III SEMESTER (COMPUTER SCIENCE AND ENGINEERING)(CS)
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	*CS 3001	Computer Programming	4	--	--	4	60	3	--	--	20	20	--	100	4
PC	CS 3002	Scripting Language (Python)	4	--	--	4	60	3	--	--	20	20	--	100	4
PC	*CS 3003	Data Structures	2	--	--	2	60	3	--	--	20	20	--	100	2
PC	CS 3004	Computer System Organisation	3	1	--	4	60	3	--	--	20	20	--	100	4
PC	*CS 3005	Algorithms	3	1	--	4	60	3	--	--	20	20	--	100	4
PC	*CS 3006	Computer Programming Lab	--	--	4	4	--	--	40	3	--	--	60	100	2
PC	CS 3007	Scripting Language(Python) Lab	--	--	4	4	--	--	40	3	--	--	60	100	2
PC	*CS 3008	Data Structures Lab	--	--	2	2	--	--	40	3	--	--	60	100	1
SI	CS 3009	Summer Internship – I (4 weeks after II Sem.)	--	--	--	--	--	--	100	--	--	--	--	100	2
VS	+CS 3333	Anandam (Joy of Giving)	--	--	1	1	--	--	--	--	--	--	100	100	2
		Students Centered Activities	0	0	3	3	--	--	--	--	--	--	--	--	--
		Total	16	2	14	32	300	--	220	--	100	100	280	1000	27
Grand Total :													1000	27	

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

+CS 3333 is same in all branches of Engineering

* CS 3001, *CS 3003, *CS 3005, CS *3006, *CS 3008 are same as IT 3001, IT 3003, IT 3005, IT 3006, IT 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.

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 (COMPUTER SCIENCE AND ENGINEERING) (CS)
(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	*CS 4001	Operating Systems	3	--	--	3	60	3	--	--	20	20	--	100	3
PC	*CS 4002	Introduction to DBMS	3	--	--	3	60	3	--	--	20	20	--	100	3
PC	*CS 4003	Computer Networks	2	--	--	2	60	3	--	--	20	20	--	100	2
PC	*CS 4004	SSAD/Software Engineering	3	--	--	3	60	3	--	--	20	20	--	100	3
PC	CS 4005	Web Technologies	2	--	--	2	60	3	--	--	20	20	--	100	2
PE	CS 4006	Programme Elective-I *CS 40061- Information Security CS 40062- Network Forensics	3	1	--	4	60	3	---	---	20	20	--	100	4
PC	*CS 4007	Operating Systems Lab	--	--	2	2	--	--	40	3	--	--	60	100	1
PC	*CS 4008	Introduction to DBMS Lab	--	--	2	2	--	--	40	3	--	--	60	100	1
PC	*CS 4009	Computer Networks Lab	--	--	2	2	--	--	40	3	--	--	60	100	1
PC	CS 4010	Web Technologies Lab	--	--	2	2	--	--	40	3	--	--	60	100	1
PR	CS 4011	Minor Project	--	--	4	4	--	--	40	--	--	--	60	100	2
AU	+CS 4222	Essence of Indian Knowledge and Tradition	2	--	--	2	--	--	--	--	--	--	--	--	--
VS	+CS 4444	Anandam (Joy of Giving)	--	--	1	1	--	--	--	--	--	--	100	100	2
		Students Centered Activities	0	0	3	3	--	--	--	--	--	--	--	--	--
		Total	18	1	16	35	360	--	200	--	120	120	400	1200	25
Grand Total :													1200	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)

+CS 4222 and +CS 4444 are same in all branches of Engineering

* CS 4001, *CS 4002, *CS 4003, *CS 4004, *CS 40061, *CS 4007, *CS 4008, *CS 4009, are same as CS 4001, IT 4002, IT 4003, IT 4004, IT 40061, IT 4007, IT 4008, IT 4009 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.**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
FOR DIPLOMA V SEMESTER (COMPUTER SCIENCE AND ENGINEERING) (CS)
(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	*CS 5001	Introduction to e-Governance	2	1	-	3	60	3	--	--	20	20	--	100	3
PC	*CS 5002	Internet of Things	2	1	-	3	60	3	--	--	20	20	--	100	3
OE	+CS 5100	Open Elective-I +CS 51001- Economic Policies in India +CS 51002- Engineering Economics & Accountancy	3	--	-	3	60	3	--	--	20	20	--	100	3
PE	CS 5003	Programme Elective - II *CS50031- Data Sciences: Data Warehousing and Data Mining CS 50032- Fundamentals of AI	3	--	-	3	60	3	--	--	20	20	--	100	3
PE	CS 5004	Programme Elective - III *CS50041- Advance Computer Networks CS 50042- Mobile Computing	3	--	-	3	60	3	--	--	20	20	--	100	3
PE	CS 5005	Programme Elective – II Lab *CS50051- Data Sciences: Data Warehousing and Data Mining Lab CS 50052- Fundamentals of AI Lab	--	--	2	2	--	--	40	3	--	--	60	100	1
SI	CS 5006	Summer Internship – II (6 weeks after IV Sem.)	--	--	-	--	--	--	100	--	--	--	--	100	3
PR	CS 5007	Major Project	--	--	2	2	--	--	--	--	--	--	--	--	--
VS	+CS 5555	Anandam (Joy of Giving)	--	--	1	1	--	--	--	--	--	--	100	100	2
		Students Centered Activities	0	0	3	3	--	--	--	--	--	--	--	--	--
		Total	13	2	8	23	300		140		100	100	160	800	21
Grand Total :													800	21	

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

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

*CS 5001, *CS 5002, *CS 50031, *CS 50041, *CS 50051 are same as IT 5001, IT 5002, IT 50031, IT 50041, IT 50051 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.

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
(SEMESTER SCHEME-2020-21)

FOR DIPLOMA VI SEMESTER (COMPUTER SCIENCE AND ENGINEERING) (CS)
SESSION 2022-2023 & ONWARDS

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)
PE	CS 6001	Programme Elective IV CS 60011-Multimedia Technologies *CS 60012- Software Testing	3	--	--	3	60	3	--	--	20	20	--	100	3
HS	+CS 6111	+Entrepreneurship and Start-ups	3	1	--	4	60	3	--	--	20	20	--	100	4
OE	+CS 6200	Open Elective-II +CS 62001- Project Management +CS 62002- Renewable Energy Technologies	3	--	--	3	60	3	--	--	20	20	--	100	3
PE	+CS 6300	Open Elective-III +CS 63001- Product Design +CS 63002- Disaster Management	3	--	--	3	60	3	--	--	20	20	--	100	3
AU	+CS 6333	Indian Constitution	2	--	--	2	--	--	--	--	--	--	--	--	--
PE	CS 6002	Programme Elective IV-Lab CS 60021 Multimedia Technologies Lab *CS 60022- Software Testing Lab	--	--	2	2	--	--	40	--	--	--	60	100	1
PR	CS 6003	Major Project	--	--	6	6	--	--	40	--	--	--	60	100	4
SE	CS 6004	Seminar	1	--	--	1	--	--	--	--	--	--	100	100	1
VS	+CS 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	

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

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

*CS 60012, *CS 60022 are same as IT 60012, IT 60022

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.