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**

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)

1. +CS 3333 is same in all branches of Engineering

2. *CS 3001, *CS 3003, CS *3006, *CS 3008 are same as CB/CI/IT 3001, CB/CI/IT 3003, CB/CI/IT 3006, CB/CI/IT 3008 respectively

3. $CS 3005   is Same as IT 3005

4. **CS 3004 is same as CB/CI 3004

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
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)

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

2. $CS 4001 is same as CB/IT 4001,

3. **CS 4002 , **CS 4007,**CS4008 and **CS 4009 are same as CI/IT 4002 ,CI/IT 4007,CI/IT 4008 and CI/IT 4009 respectively

4. *CS 4003 is same as CB/CI/IT 4003,

5. ***CS 4004 and ***CS 40061 are same as IT 4004, IT 40061respectively

6. ^CS 4005 and ^CS 4010 are same as CB/CI 4005 and CB/CI 4010 respectively

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

Note: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
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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**

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)

1. +CS 51001, +CS 51002 and +CS 5555 are same in all branches of Engineering
2. *CS 5001, *CS 50041 and *CS 50051 are sma as IT 5001, IT50041 and IT50051 respectively
3. **CS 5002 and **CS50031 are sma as IT/CI 5002 and IT/CI50031 respectively
  Student Centered Activities will be graded as A, B, C & D on the basis of attendance and interest of the student in learning.
Note:Major Project will be continued and Assesed in VI Semester

GOVERNMENT OF RAJASTHAN
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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 Hours per week				Distribution of Max. Marks/ Duration							Total Marks	Credits
							End Semester Exam				Internal Assessment				
			L	T	P	Tot	TH	Hrs.	PR	Hrs.	CT	TU/Assi.	PR(S)		
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
OE	+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 6001	**Programme Elective IV** CS 60011-Multimedia Technologies *CS 60012- Software Testing	3	--	--	3	60	3	--	--	20	20	--	100	3
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

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)

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

2. *CS 60012 and *CS 60022 are same as IT 60012 and IT 60022 respectively

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