M.Sc Computer Science (Students admitted from 2018 – 2019 Onwards)

SCHEME OF EXAMINATION

Subject Code	Subject	Hrs of Instruction	Exam Duration in Hrs	Maximum Marks			Credit Points
				CA	CE	Total	
First Semester							
Part A							
18PCSM101	Core I: Advanced Java Programming	5	3	25	75	100	4
18PCSM102	Core II: Design and Analysis of Algorithms	6	3	25	75	100	5
18PCSM103	Core III: Advanced Operating System	5	3	25	75	100	4
18PCSM104	Core IV: Network Security and Cryptography	5	3	25	75	100	4
18PCSMP101	Core Practical I: Advanced Java Programming	4	3	40	60	100	3
18PCSMP102	Core Practical II: PHP and MYSQL lab	4	3	40	60	100	3
Non-Credit							
18PLS101	Career Competency Skills I	1	-	-	-	-	-
Total		**30**				**600**	**23**
Second Semester							
Part A							
18PCSM201	Core V: C# and ASP .Net Framework	4	3	25	75	100	4
18PCSM202	Core VI: Data Mining and Warehousing	5	3	25	75	100	5
	Elective I	5	3	25	75	100	4
18PCSMP201	Core Practical III: C# and ASP.Net Framework	4	3	40	60	100	3
18PCSMP202	Core Practical IV : Data Mining	4	3	40	60	100	3

18PMACSI201	IDC I: : Discrete Mathematics	5	3	25	75	100	4
Part B							
18PVE201	Value Education : Human Rights	2	-	25	75	100	2
Non-Credit							
18PLS201	Career Competency Skills II	1	-		-	-	-
Total		**30**				**700**	**25**

Third Semester

Part A							
18PCSM301	Core VII: Big Data Analytics	6	3	25	75	100	5
18PCSM302	Core VIII: Internet of Things	6	3	25	75	100	5
	Elective II	5	3	25	75	100	4
18PCSMP301	Core Practical V: Mobile Application Development	4	3	40	60	100	3
18PCSMP302	Core Practical VI: Network and IoT Lab	4	3	40	60	100	3
18PMACSI301	IDC II: Resource Management Techniques	5	3	40	60	100	4
Total		**30**				**600**	**24**

Fourth Semester

Part A							
18PCSM401	Core IX: Python Programming	5	3	25	75	100	4
18PCSM402	Core X: Professional Ethics and Cyber Law	5	3	25	75	100	5
18PCSMP401	Core Practical VII: Python Programming Lab	4	2	40	60	100	3
18PCSPR401	Project & Viva -Voce	6		50	150	200	6
Total		**20**	**-**			**500**	**18**
	Grand Total					**2400**	**90**

LIST OF ELECTIVES

ELECTIVE – I

(Student shall select any one of the following subject as Elective in II semester)

S.No	Subject Code	Name of the Subject
1.	18PCSEL201	Object Oriented Software Engineering
2.	18PCSEL202	Software Testing
3.	18PCSEL203	Software Project Management
4.	18PCSEL204	Software Architecture

ELECTIVE – II

(Student shall select any one of the following subject as Elective in III semester)

S.No	Subject Code	Name of the Subject
1.	18PCSEL301	Digital Image Processing and Pattern Recognition
2.	18PCSEL302	Soft Computing
3.	18PCSEL303	Cloud Computing
4.	18PCSEL304	Parallel Processing

FOR COURSE COMPLETION

Students shall complete:

1. Inter Disciplinary Courses (IDC) in II and III Semesters.
2. Value Education Course as Human Rights in II Semester.
3. Chosen Elective in II and III Semesters.
4. Career Competency Skills papers as non credit course in I & II Semesters.
5. Submission of project report at the end of IV Semester.

TOTAL CREDIT DISTRIBUTION

Component	No of Papers	Credits		Marks	
		Credit	Total	Marks	Total Marks
PART A					
Core	10	5X5 5X4	25 20	10x100	1000
Core Practical	7	7x3	21	7x100	700
Inter Disciplinary Course	2	2X4	8	2x100	200
Elective	2	2X4	8	2x100	200
Project	1	1x6	6	1x200	200
PART B					
Value Education : Human Rights	1	1x2	2	1x100	100
NON-CREDIT					
1 . Career Competency Skills I 2. Career Competency Skills II	2	---	---	---	---
Grand Total			**90**		**2400**