

SCHEME OF EXAMINATION

Subject Code	Subject	Hrs. of Instruction	Exam Duration (Hrs)	Max Marks			Credits
				CA	CE	Total	
First Semester							
Part I							
18UTALA101/ 18UHILA101/ 18UFRLA101	Tamil-I/ Hindi-I/ French-I	5	3	25	75	100	3
Part II							
18UENLA101	Foundation English-I	5	3	25	75	100	3
Part III							
18UCSM101	Core I: Problem Solving Techniques and C Programming	5	3	25	75	100	4
18UCSM102	Core II: Information Technology	4	3	25	75	100	2
18UMACSA101	Allied I: Algebra and Calculus	5	3	25	75	100	4
18UCSMP101	Core Practical I: Programming in C	2	3	40	60	100	2
18UCSMP102	Core Practical II: Office Package	2	3	40	60	100	2
Part IV							
18UVE101	Value Education I: Yoga	2	3	25	75	100	2
		30				800	22
Second Semester							
Part I							
18UTALA201/ 18UHILA201/ 18UFRLA201	Tamil-II/ Hindi-II/ French-II	5	3	25	75	100	3
Part II							
18UENLA201	Foundation English-II	5	3	25	75	100	3
Part III							
18UCSM201	Core III: Object Oriented Programming with C++	5	3	25	75	100	4

18UCSM202	Core IV: Computer Architecture	5	3	25	75	100	4
18UMACSA201	Allied II: Numerical Methods	5	3	25	75	100	4
18UCSMP201	Core Practical III: Programming in C++	3	3	40	60	100	2
Part IV							
18UVE201	Value Education II: Environmental Studies	2	3	25	75	100	2
		30				700	22
Third Semester							
Part I							
18UTALA301/ 18UHILA301/ 18UFRLA301	Tamil-III/ Hindi-III/ French-III	5	3	25	75	100	3
Part II							
18UENLA301	Foundation English-III	5	3	25	75	100	3
Part III							
18UCSM301	Core V: Programming in Java	4	3	25	75	100	4
18UCSM302	Core VI: Data Structures	4	3	25	75	100	4
18UMACSA301/ 18UECCSA301	Allied III: Statistical Methods/Digital Electronics and Microprocessor	4	3	25	75	100	4
18UCSMP301	Core Practical IV: Programming in Java	2	3	40	60	100	2
Part IV							
18UCSSBP301	SBC Practical I: Web Designing using HTML, CSS (Internal Evaluation)	2	3	100	-	100	2
	NMEC I	2	3	25	75	100	2
Non Credit							
18ULS301	Career Competency Skills I	1	-	-	-	-	-

	Add-On Course I	1	3	40	60	100	-
		30				900	24
Fourth Semester							
Part I							
18UTALA401/ 18UHILA401/ 18UFRLA401	Tamil-IV/ Hindi-IV/ French-IV	5	3	25	75	100	3
Part II							
18UENLA401	Foundation English-IV	5	3	25	75	100	3
Part III							
18UCSM401	Core VII: Programming in .NET(VB.NET & ASP.NET)	4	3	25	75	100	4
18UCSM402	Core VIII: Relational Database Management Systems	4	3	25	75	100	4
18UMACSA401/ 18UECSA401	Allied IV: Operations Research/Internet of Things	4	3	25	75	100	4
18UCSMP401	Core Practical V: Programming in .NET	2	3	40	60	100	2
Part IV							
18UCSSBP401	SBC Practical II: JavaScript(Internal Evaluation)	2	3	100	-	100	2
	NMEC II	2	3	25	75	100	2
Non Credit							
18ULS401	Career Competency Skills II	1	-	-	-	-	-
	Add-On Course II	1	3	40	60	100	-
		30				900	24

Fifth Semester							
Part III							
18UCSM501	Core IX: Data Mining and Warehousing	6	3	25	75	100	4
18UCSM502	Core X: Software Engineering	5	3	25	75	100	4
18UCSM503	Core XI: Operating Systems	5	3	25	75	100	4
	Elective : I	5	3	25	75	100	3
18UCSMP501	Core Practical VI: R-Programming	3	3	40	60	100	3
18UCSMP502	Core Practical VII: Computer Hardware	3	3	40	60	100	3
Part IV							
18UCSSBP501	SBC Practical III: MySQL (Internal Evaluation)	2	3	40	60	100	2
Part V							
18UCSE501	Extension Activity	-	-	-	-	-	2
Non Credit							
18ULS501	Career Competency Skills III	1	-	-	-	-	-
		30				700	25
Sixth Semester							
Part III							
18UCSM601	Core XII: Python Programming	6	3	25	75	100	4
18UCSM602	Core XIII: Computer Networks [Fifth Unit as Self- study]	6	3	25	75	100	4
	Elective II	6	3	25	75	100	3
18UCSMP601	Core Practical VIII: Python Programming	3	3	40	60	100	3
18UCSMP602	Core Practical IX: Computer Networking	3	3	40	60	100	3
18UCSPR601	Project Work	3	3	40	60	100	4

Part IV							
18UCSSBP601	SBC Practical IV: PHP(Internal Evaluation)	2	3	40	60	100	2
Non Credit							
18ULS601	Career Competency Skills IV	1	-	-	-	-	-
		30				700	23
Grand Total						4700	140

ADD-ON COURSE

The department offers the following two subjects as ADD-ON Course in third and fourth semester.

S.No.	Semester	Subject Code	Subject
1	III	18UCSAC301	DTP
2	IV	18UCSAC401	Animation

ADVANCED LEARNER COURSE

The department offers the following two subjects as Advanced Learners Course in fourth and fifth semesters.

S.No.	Semester	Subject Code	Subject
1	IV	18UCSAL401	Mobile Commerce
2	IV	18UCSAL402	Cyber Security
3	Online Certification Courses		

S.No.	Semester	Subject Code	Subject
1	V	18UCSAL501	Software Project Management
2	V	18UCSAL502	Artificial Intelligence and Expert Systems
3	Online Certification Courses		

NON MAJOR ELECTIVE COURSE

The department offers the following two subjects as Non Major Elective Course for other than the computer science students for third and fourth semesters.

S.No.	Semester	Subject Code	Subject
1	III	18UCSNM301	Internet Technology
2	IV	18UCSNM401	Principles of Web Design

ELECTIVE I

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

S.No	Subject Code	Subject
1.	18UCSEL501	E-Commerce
2.	18UCSEL502	Computer Graphics

ELECTIVE II

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

S.No	Subject Code	Subject
1.	18UCSEL601	Cloud Computing
2.	18UCSEL602	Mobile Computing

FOR COURSE COMPLETION

Student shall complete:

- Language subjects (Tamil/Hindi/French, English) in I, II, III and IV semester.
- All Major papers.
- Value Education: Yoga and Environmental Studies in I and II semester respectively.
- Allied subjects in I, II, III and IV semester.
- Skill Based Course in III and IV semester.
- Non-Major Elective Course in III and IV semester.
- Career Competency Skills in III and IV, V and VI semester.
- Add-on Course in III and IV semester.
- Advanced Learners Course in IV and V semester.
- Extension activity in V semester.
- Elective subjects in the V and VI semesters.
- An In-House project and Viva-voce at the end of VI semester.

TOTAL CREDITS DISTRIBUTION

Components	Subjects	No. of Subjects x Marks	Total	Credits x Papers	Credits
Part - I	Tamil	4 x 100 =	400	3 x 4 papers	12
Part - II	Foundation English	4 x 100 =	400	3 x 4 papers	12
Part - III	Core	13 x 100 =	1300	4 x 12 papers	48
				2 x 1 paper	02
	Project	1 x 100 =	100	4 x 1 paper	04
	Core Practical	7 x 100 =	700	3 x 4 papers	12
				2 x 5 papers	10
	Elective	2 x 100 =	200	3 x 2 papers	06
Allied	4 x 100 =	400	4 x 4 papers	16	
Part - IV	VE (Yoga, EVS)	2 x 100 =	200	2 x 2 papers	04
	SBC	4 x 100 =	400	2 x 4 papers	08
	NMEC	2 x 100 =	200	2 x 2 papers	04
Part - V	Extension Activity	-	-	2 x 1 activity	02
Total		43 x 100 =	4300		140