

## SCHEME OF EXAMINATION

Course Code	Course	Hrs. of Instruction	Exam Duration (Hrs.)	Max Marks			Credits
				CA	CE	Total	
<b>First Semester</b>							
<b>Part I</b>							
18UTALB101/ 18UHILB101/ 18UFRLB101	Tamil-I/ Hindi-I/ French-I	5	3	25	75	100	3
<b>Part II</b>							
18UENLB101	General English I	5	3	25	75	100	3
<b>Part III</b>							
18UCAM101	Core I : Problem Solving Techniques	4	3	25	75	100	4
18UCAM102	Core II: Programming in C	4	3	25	75	100	4
18UMACAA101	Allied I: Mathematics for Computer Applications	4	3	25	75	100	4
18UCAMP101	Core Practical I: Office Package	3	3	40	60	100	2
18UCAMP102	Core Practical II: Programming in C	3	3	40	60	100	2
<b>Part IV</b>							
18UVE101	Value Education I: Yoga	2	3	25	75	100	2
		<b>30</b>				<b>800</b>	<b>24</b>
<b>Second Semester</b>							
<b>Part I</b>							
18UTALB201/ 18UHILB201/ 18UFRLB201	Tamil-II/ Hindi-II/ French-II	5	3	25	75	100	3
<b>Part II</b>							
18UENLB201	General English II	5	3	25	75	100	3
<b>Part III</b>							
18UCAM201	Core III: Object Oriented Programming with C++	4	3	25	75	100	4
18UCAM202	Core IV: Computer Organization and Architecture	4	3	25	75	100	4

18UMACAA201	Allied II: Scientific Computing Methods	4	3	25	75	100	4
18UCAMP201	Core Practical III: Scientific Computing using C++	3	3	40	60	100	2
18UCAMP202	Core Practical IV: Designing Tools	3	3	40	60	100	2
<b>Part IV</b>							
18UVE201	Value Education II: Environmental Studies	2	3	25	75	100	2
		<b>30</b>				<b>800</b>	<b>24</b>
<b>Third Semester</b>							
<b>Part III</b>							
18UCAM301	Core V: Programming in Java	4	3	25	75	100	4
18UCAM302	Core VI: Data Structures	5	3	25	75	100	4
18UCAM303	Core VII: Web Designing	4	3	25	75	100	4
18UCCCAA301	Allied III: Principles of Accountancy	4	3	25	75	100	4
18UCAMP301	Core Practical V: Programming in Java	3	3	40	60	100	2
18UCCCAAP301	Allied Practical I: Accounting Package	3	3	40	60	100	2
<b>Part IV</b>							
18UCASBP301	SBC Practical I: Web Designing Using HTML , CSS	2	3	40	60	100	2
18UCSNM301	NMEC I	2	3	25	75	100	2
<b>Non Credit</b>							
18ULS301	Career Competency Skills I	1	-	-	-	-	-
18UCAAC301 / 18UCAAC302	Add-on Course I	2	3	-	100	100	-
		<b>30</b>				<b>900</b>	<b>24</b>
<b>Fourth Semester</b>							
<b>Part III</b>							
18UCAM401	Core VIII: Relational Database Management System	4	3	25	75	100	4

18UCAM402	Core IX: Operating System Concepts	5	3	25	75	100	4
18UCAEL401/ 18UCAEL402/ 18UCAEL403	Elective I	4	3	25	75	100	3
18UCCCAA401	Allied IV: Cost and Management Accounting	4	3	25	75	100	4
18UCAMP401	Core Practical VI: RDBMS Package	3	3	40	60	100	2
18UCAMP402	Core Practical VII: Linux Programming	3	3	40	60	100	2
<b>Part IV</b>							
18UCASBP401	SBC Practical II: Data Structure using C	2	3	40	60	100	2
18UCSNM401	NMEC II	2	3	25	75	100	2
<b>Non Credit</b>							
18ULS401	Career Competency Skills II	1	-	-	-	-	-
18UCAAC401 / 18UCAAC402	Add-on Course II	2	3	-	100	100	-
		<b>30</b>				<b>900</b>	<b>23</b>
<b>Fifth Semester</b>							
<b>Part III</b>							
18UCAM501	Core X: Web Application Development	5	3	25	75	100	4
18UCAM502	Core XI: Computer Networks	5	3	25	75	100	4
18UCAM503	Core XII: Cloud Computing	5	3	25	75	100	4
18UCAEL501/ 18UCAEL502/ 18UCAEL503/	Elective II	4	3	25	75	100	3
18UCAMP501	Core Practical VIII: Web Application Development	3	3	40	60	100	2
18UCAMP502	Core Practical IX: Computer Networks Lab	3	3	40	60	100	2
<b>Part IV</b>							
18UCASBCP501	SBC Practical III: Web Services Using Python	2	3	40	60	100	2

Part V							
18UCAE501	Extension Activity	-	-	-	-	-	2
Non Credit							
18ULS501	Career Competency Skills III	1	-	-	-	-	-
18UCAPR601	Project & viva-voce	2					
		<b>30</b>				<b>700</b>	<b>23</b>
Sixth Semester							
Part III							
18UCAM601	Core XIII: Big Data Analytics	5	3	25	75	100	4
18UCAM602	Core XIV: Mobile Technology ( <b>fifth unit as self study</b> )	5	3	25	75	100	4
18UCAM603	Core XV: E-Commerce	4	3	25	75	100	3
18UCAM604	Core XVI: Internet of Things	5	3	25	75	100	3
18UCAMP601	Core Practical X:R Programming	4	3	40	60	100	2
18UCAPR601	Project & Viva-Voce	4	3	40	60	100	4
Part IV							
18UCASBCP602	SBC Practical IV: Mobile Application Development	2	3	40	60	100	2
Non Credit							
18ULS601	Career Competency Skills IV	1	-	-	-	-	-
		<b>30</b>				<b>700</b>	<b>22</b>
<b>Grand Total</b>						<b>4800</b>	<b>140</b>

- Students have to undergo an Advanced Learner Course during the Second year of their course of study.
- Project hours can be divided into two such as 1. Problem presentation in the Class room 2. Problem implementation in the Lab

**ELECTIVE I**

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

S.No	Subject Code	Subject
1.	18UCAEL401	Principles of information security
2.	18UCAEL402	Client Server technology
3.	18UCAEL403	Software Engineering

**ELECTIVE II**

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

S.No	Subject Code	Subject
1.	18UCAEL501	Social and Business Etiquette
2.	18UCAEL502	Artificial Intelligence
3.	18UCAEL503	Social Media Data Analytics

**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	15UCSN301	Internet Technology
2	IV	15UCSN401	HTML and Web Designing