

## M. Sc. (Computer Science) CBCS Pattern

### Semester I

<b>Paper I</b>	<b>: PSCSCT01-Advance JAWA</b>
<b>Paper II</b>	<b>: PSCSCT02-Discrete Mathematics</b>
<b>Paper III</b>	<b>: PSCSCT03-Data Warehouse &amp; SQL</b>
<b>Paper IV</b>	<b>: PSCSCT04-Scripting Language &amp; Information Retrieval</b>
<b>Practical I</b>	<b>: PSCSCP01-Based on PSCSCT01</b>
<b>Practical II</b>	<b>: PSCSCP02- Based on PSCSCT03 and PSCSCT04</b>
<b>Seminar I</b>	<b>: PSCSCS01</b>

### Semester II

<b>Paper V</b>	<b>: PSCSCT05-Theory of Computation &amp; System Programming</b>
<b>Paper VI</b>	<b>: PSCSCT06-VB.NET</b>
<b>Paper VII</b>	<b>: PSCSCT07-Web Technologies</b>
<b>Paper VIII</b>	<b>: PSCSCT08-Software Engineering</b>
<b>Practical III</b>	<b>: PSCSCP04- Based on PSCSCT06</b>
<b>Practical IV</b>	<b>: PSCSCP05- Based on PSCSCT07</b>
<b>Seminar II</b>	<b>: PSCSCS02</b>

### Semester III

<b>Paper IX</b>	<b>: PSCSCT09-Software Testing Tools and Methodology</b>
<b>Paper X</b>	<b>: PSCSCT10-Soft Computing Techniques</b>
<b>Paper XI</b>	<b>: PSCSCT11-Research Methodology and Operational Technique</b>
<b>Paper XII</b>	<b>: PSCSCT12-C#.NET</b>
<b>Practical VII</b>	<b>: PSCSCP07- Based on PSCSCT09 &amp; PSCSCT10</b>
<b>Practical VIII</b>	<b>: PSCSCP08- Based on PSCSCT11 &amp; PSCSCT12</b>
<b>Seminar III</b>	<b>: PSCSCS03</b>

### Semester IV

<b>Paper XIII</b>	<b>: PSCSCT13- Android Application Development</b>
<b>Paper XIV</b>	<b>: PSCSCT14- Digital And Cyber Forensics</b>
<b>Paper XV</b>	<b>: PSCSCT15- Web Designing Using Asp .Net</b>
<b>Paper XVI</b>	<b>: PSCSCT16- Project</b>
<b>Practical X</b>	<b>: PSCSCP10- Based on PSCSCT13 &amp; PSCSCT14</b>
<b>Practical XI</b>	<b>: PSCSCP11- Based on PSCSCT15</b>
<b>Seminar IV</b>	<b>: PSCSCS04</b>

Subject	Paper Code	Paper Name	Total Period /Week	Credit	% of Assessment			
					IA	UE	Total	Min. Passing
<b>Semester I</b>								
Core	PSCSCT01	Advanced Java	4	4	20	80	100	40
	PSCSCT02	Discrete Mathematics	4	4	20	80	100	40
	PSCSCT03	Data Warehouse & SQL	4	4	20	80	100	40
	PSCSCT04	Scripting Language & Information Retrieval	4	4	20	80	100	40
Core Lab	PSCSCP01	Practical based on PSCST01	8	4	20	80	100	40
	PSCSCP02	Practical based on PSCST03 & PSCST04	8	4	20	80	100	40
Ability Enhancement	PSCSCS01	Seminar	2	1	25	-	25	10
<b>Total</b>			<b>34</b>	<b>25</b>	<b>145</b>	<b>480</b>	<b>625</b>	<b>250</b>
<b>Semester II</b>								
Core	PSCSCT05	Theory of Computation & System Programming	4	4	20	80	100	40
	PSCSCT06	VB.NET	4	4	20	80	100	40
	PSCSCT07	Web Technologies	4	4	20	80	100	40
	PSCSCT08	Software Engineering	4	4	20	80	100	40
Core Lab	PSCSCP03	Practical based on PSCST06	6	4	20	80	100	40
	PSCSCP04	Practical based PSCST07	6	4	20	80	100	40
Ability Enhancement	PSCSCS02	Seminar	2	1	25	-	25	10
<b>Total</b>			<b>34</b>	<b>25</b>	<b>145</b>	<b>480</b>	<b>625</b>	<b>250</b>
<b>Semester III</b>								
Core	PSCST09	Software Testing Tools and Methodology	4	4	20	80	100	40
	PSCST10	Soft Computing Techniques	4	4	20	80	100	40
	PSCST11	Research Methodology And Operational Technique	4	4	20	80	100	40
	PSCST12	C#.NET	4	4	20	80	100	40
Core Lab	PSCSP05	Practical based on PSCST09 & PSCST10	8	4	20	80	100	40
	PSCSP06	Practical based on PSCST11 & PSCST12	8	4	20	80	100	40
Ability Enhancement	PSCSS03	Seminar	2	1	25	-	25	10
<b>Total</b>			<b>34</b>	<b>25</b>	<b>145</b>	<b>480</b>	<b>625</b>	<b>250</b>
<b>Semester IV</b>								
Core	PSCST13	Android Application Development	4	4	20	80	100	40
	PSCST14	Digital And Cyber Forensics	4	4	20	80	100	40
	PSCST15	Web Designing Using Asp.Net	4	4	20	80	100	40
	PSCST16	Project	4	4	20	80	100	40
Core Lab	PSCSP07	Practical based on PSCST13 & PSCST14	6	4	20	80	100	40
	PSCSP08	Practical based PSCST15	6	4	20	80	100	40
Ability Enhancement	PSCSS04	Seminar	2	1	25	-	25	10
<b>Total</b>			<b>34</b>	<b>25</b>	<b>145</b>	<b>480</b>	<b>625</b>	<b>250</b>