



**UNIVERSITY OF MADRAS**  
 (Established under the Act of Incorporation XXVII of 1857 –  
 Madras University Act 1923) - (State University)  
**M.C.A. DEGREE EXAMINATION – NOVEMBER 2019**  
**[CHOICE BASED CREDIT SYSTEM]**  
**THEORY TIME-TABLE**

**F.N. 10.00 a.m. to 1.00 p.m.**  
**A.N. 02.00 p.m. to 5.00 p.m.**

**Maximum Marks : 075**

**For candidates admitted prior to the Academic year 2015-2016**

Date & Session	Subject Name	Subject Code	
<b>FIRST SEMESTER</b>			
23.11.2019 FN	Programming in C and UNIX	PSC1A	
25.11.2019 FN	Digital Computer Fundamentals	PSC1B	
<b>14.11.2019 FN</b>	<b>System Software</b>	<b>PSC1C/PSG2C</b>	
<b>26.11.2019 FN</b>	<b>Non-Major Elective-I Mathematics for Computer Science</b>	<b>PNS1A/PEG1A</b>	
<b>SECOND SEMESTER</b>			
13.11.2019 FN	Microprocessors and its Applications	PSC2D	
16.11.2019 FN	Object Oriented Programming with C++	PSC2E	
<b>12.11.2019 FN</b>	<b>Data Structures</b>	<b>PSC2G/PSG2A</b>	
<b>15.11.2019 FN</b>	<b>Non-Major Elective-II Statistical Methods</b>	<b>PNS2B/PEG2A</b>	
<b>THIRD SEMESTER</b>			
18.11.2019 FN	Software Engineering	PSC3H	
19.11.2019 FN	Computer Graphics	PSC3J	
20.11.2019 FN	Java Programming	PSC3K	
22.11.2019 FN	Operating Systems	PSC3L	
<b>21.11.2019 FN</b>	<b>Extra Disciplinary – Accounting &amp; Financial Management</b>	<b>PEC3A/PEG3A</b>	
<b>FOURTH SEMESTER</b>			
01.11.2019 FN	Computer Networks	PSC4M	
<b>02.11.2019 FN</b>	<b>Database Management Systems</b>	<b>PSC4N/PSG4B</b>	
04.11.2019 FN	Design and Analysis of Algorithms	PSC4P	
05.11.2019 FN	Software Project Management	PSC4R	
06.11.2019 FN	<b>ELECTIVE-I</b>	Multimedia Systems	PSCEA
		Windows Programming	PSCEB
		Advanced Java Programming	PSCEC
<b>FIFTH SEMESTER</b>			
<b>09.11.2019 FN</b>	<b>Software Testing</b>	<b>PSC5S/PSGEE</b>	
07.11.2019 FN	<b>ELECTIVE-II</b>	Managerial Economics	PSCED
		E-Commerce	PSCEE
		Data Warehousing and Data Mining	PSCEG
11.11.2019 FN	<b>ELECTIVE-III</b>	Artificial Neural Networks	<b>PSCEH/PSGEK</b>
		Computer Simulation and Modeling	PSCEJ
		Artificial Intelligence	PSCEK
		Information Security	PSCEL
08.11.2019 FN	<b>ELECTIVE-IV</b>	Operation Researches	PSCEM
		Mobile Computing	PSCEN
		Object Oriented Analysis & Design	PSCEP
		Digital Image Processing	PSCER

**For candidates admitted from the Academic year 2015-2016**

**FIRST SEMESTER**

22.11.2019 FN	Programming in C and C++	PSG1A
23.11.2019 FN	Digital Computer Fundamentals	PSG1B
25.11.2019 FN	Open Source Software	PSG1C
<b>26.11.2019 FN</b>	<b>Non-Major Elective-I Mathematics for Computer Science</b>	<b>PEG1A/PNS1A</b>

**SECOND SEMESTER**

<b>12.11.2019 FN</b>	<b>Data Structures</b>	<b>PSG2A/PSC2G</b>
13.11.2019 FN	Programming in Java	PSG2B
<b>14.11.2019 FN</b>	<b>System Software</b>	<b>PSG2C/PSC1C</b>
<b>15.11.2019 FN</b>	<b>Non-Major Elective-2 Statistical Methods</b>	<b>PEG2A/PNS2B</b>

**THIRD SEMESTER**

16.11.2019 FN	Design and Analysis of Algorithms	PSG3A
18.11.2019 FN	Computer Graphics	PSG3B
19.11.2019 FN	Advanced Java Programming	PSG3C
20.11.2019 FN	Operating Systems	PSG3D
<b>21.11.2019 FN</b>	<b>Non-Major Elective-III Accounting &amp; Financial Management</b>	<b>PEG3A/PEC3A</b>

**FOURTH SEMESTER**

01.11.2019 FN	Computer Networks	PSG4A	
<b>02.11.2019 FN</b>	<b>Database Management Systems</b>	<b>PSG4B/PSC4N</b>	
04.11.2019 FN	Software Engineering	PSG4C	
05.11.2019 FN	Multimedia Systems	PSG4D	
06.11.2019 FN	<b>ELECTIVE-I</b>	Digital Image Processing	PSGEA
		E-Commerce	PSGEB
		Information Security	PSGEC

**FIFTH SEMESTER**

07.11.2019 FN	Object Oriented Analysis and Design	PSG5A	
08.11.2019 FN	Web Based Application Development	PSG5B	
<b>09.11.2019 FN</b>	<b>ELECTIVE-II</b>	Big Data Analytics	PSGED
		Software Testing	<b>PSGEE/PSC5S</b>
		Theory of Computation	PSGEG
<b>11.11.2019 FN</b>	<b>ELECTIVE-III</b>	Mobile Computing	PSGEH
		Cloud Computing	PSGEJ
		Artificial Neural Networks	<b>PSGEK/PSCEH</b>

**For candidates admitted prior to 2008-2009 under Non-equivalent subjects**

**Maximum Marks : 080**

01.11.2019 AN	Programming in 'C'	MC1B
02.11.2019 AN	Computer Architecture	MC3K
04.11.2019 AN	Visual Programming	MCEA
05.11.2019 AN	Network Programming	MCEB
06.11.2019 AN	Software Quality and Assurance	MCEG

**University Centenary Building,  
Ph.D.,  
Chepauk, Chennai – 600 005.  
NOVEMBER 2019**

**Dr. K. PANDIAN, M.Sc.,  
Controller of Examinations.**



## UNIVERSITY OF MADRAS

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### M.Sc. COMPUTER SCIENCE DEGREE EXAMINATIONS NOVEMBER 2019 – [CHOICE BASED CREDIT SYSTEM] THEORY - TIME-TABLE

**F.N.: 10.00 a.m. to 01.00 p.m.**

**A.N.: 02.00 p.m. to 05.00 p.m.**

**Maximum Marks: 075**

#### For candidates admitted prior to the Academic year 2015-2016

Date & Session	Subject Title	Subject Code	
<b>FIRST SEMESTER</b>			
14.11.2019 FN	Design and Analysis of Algorithms	PSA1A	
15.11.2019 FN	Advanced Java Programming	PSA1B	
16.11.2019 FN	<b>System Software</b> (Also Common for candidates admitted in M.Sc. Applied Electronics from 2008-2009)	<b>PSA1C/ MCSBA/ PSD1C</b>	
18.11.2019 FN	<b>Non-Major Elective-I Theoretical Foundations of Computer Science</b>	<b>PNA1A/PED1A</b>	
<b>SECOND SEMESTER</b>			
01.11.2019 FN	Computer Networks	PSA2D	
12.11.2019 FN	<b>Distributed Database Systems</b>	<b>PSA2E/PSDEF</b>	
02.11.2019 FN	<b>ELECTIVE-I</b>	Multimedia Systems	PSAEA
		Network Programming	PSAEB
		Windows Programming	PSAEC
03.11.2019 FN	<b>Non-Major - Elective-II Bio-Informatics</b>	PNA2B	
<b>THIRD SEMESTER</b>			
07.11.2019 FN	<b>Principles of Compiler Design</b>	<b>PSA3G/PSD3A</b>	
06.11.2019 FN	Object Oriented Analysis and Design	PSA3H	
08.11.2019 FN	<b>Extra Disciplinary – Digital Image Processing</b> (Also Common for candidates admitted in M.Sc. Applied Electronics from 2008-2009)	<b>PEA3A/MCSBC</b>	
13.11.2019 FN	<b>ELECTIVE-II</b>	Data Warehousing and Data Mining	PSAED
		Mobile Computing	PSAEE
09.11.2019 FN	<b>ELECTIVE-II</b>	<b>Artificial Intelligence</b>	PSAEG/ PSD3C
05.11.2019 FN	<b>ELECTIVE-III</b>	Artificial Neural Networks	PSAEH
		<b>Computer Simulation and Modeling</b>	<b>PSAEJ/PSDEB</b>
11.11.2019 FN	<b>ELECTIVE-III</b>	<b>Cryptography</b>	<b>PSAEK/PSDEE</b>

**For candidates admitted from the Academic year 2015-2016**

**FIRST SEMESTER**

14.11.2019 FN	Design and Analysis of Algorithms	PSD1A
15.11.2019 FN	Advanced Java Programming	PSD1B
16.11.2019 FN	<b>System Software (Common Paper for M.Sc.-Applied Electronics)</b>	<b>PSD1C/PSA1C/MCSBA</b>
18.11.2019 FN	<b>Non-Major Elective-I Theoretical Foundations of Computer Science</b>	<b>PED1A/PNA1A</b>

**SECOND SEMESTER**

01.11.2019 FN	Computer Networks	PSD2A	
02.11.2019 FN	Digital Image Processing	PSD2B	
04.11.2019 FN	<b>ELECTIVE-I</b>	Mobile Computing	PSDEA
		Computer Graphics	PSDEC
05.11.2019 FN	<b>ELECTIVE-I</b>	<b>Computer Simulation and Modeling</b>	<b>PSDEB/PSAEJ</b>
06.11.2019 FN	<b>Extra Disiplinary Elective-II Object Oriented Analysis and Design</b>	PED2A	

**THIRD SEMESTER**

07.11.2019 FN	<b>Principles of Compiler Design</b>	<b>PSD3A/PSA3G</b>	
08.11.2019 FN	Information Security	PSD3B	
09.11.2019 FN	<b>Artificial Intelligence</b>	<b>PSD3C/PSAEG</b>	
11.11.2019 FN	<b>ELECTIVE-II</b>	Big Data Analytics	PSDED
		<b>Cryptography</b>	<b>PSDEE/PSAEK</b>
12.11.2019 FN	<b>ELECTIVE-II</b>	<b>Distributed Database Systems</b>	<b>PSDEF/PSA2E</b>
13.11.2019 FN	<b>ELECTIVE-III</b>	Multimedia Systems	PSDEG
		E-Commerce	PSDEH
		Cloud Computing	PSDEJ

**For candidates admitted prior to 2008-09 under Non-equivalent subjects**

**Maximum Marks : 080**

01.11.2019 AN	Principles of Programming Languages	GSAEB
02.11.2019 AN	Software Testing	GSAEC
04.11.2019 AN	Computer Architecture	MS1B
05.11.2019 AN	Java Programming	MS1C
06.11.2019 AN	Software Engineering	MS2F
07.11.2019 AN	Web Technology	MS2G
08.11.2019 AN	Visual Programming	MSED

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NOVEMBER – 2019**

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**M.Sc. INFORMATION TECHNOLOGY DEGREE EXAMINATION**  
**NOVEMBER 2019 - CHOICE BASED CREDIT SYSTEM**  
**THEORY TIME -TABLE**

**F.N.: 10.00 a.m. to 1.00 p.m.**

**A.N.: 02.00 p.m. to 5.00 p.m.**

**Maximum Marks: 075**

**For candidates admitted from the Academic year 2008-2009 and also candidates admitted the academic year 2007-2008 equivalent to 2008-2009**

Date & Session	Subject Name	Subject Code
<b>FIRST SEMESTER</b>		
12.11.2019 FN	C ++ and Data Structures	PSB1A
13.11.2019 FN	Computer Architecture	PSB1B
14.11.2019 FN	Database Management Systems	PSB1C
15.11.2019 FN	<b>ELECTIVE-I</b>	Visual Programming
		E-Commerce
		Programming in C
<b>SECOND SEMESTER</b>		
01.11.2019 FN	Operating Systems	PSB2D
02.11.2019 FN	Programming in Java	PSB2E
04.11.2019 FN	<b>ELECTIVE-II</b>	Software Engineering
		Data Warehousing and Data Mining
		Software Testing
05.11.2019 FN	<b>ELECTIVE-III</b>	Internet Technology
		Multimedia Systems
		Windows Programming
<b>THIRD SEMESTER</b>		
06.11.2019 FN	Computer Networks	PSB3G
07.11.2019 FN	Design and Analysis of Algorithms	PSB3H
08.11.2019 FN	Advanced Java Programming	PSB3J
09.11.2019 FN	<b>Extra Disciplinary</b> – Information Security	PEB3A
11.11.2019 FN	<b>ELECTIVE-IV</b>	Mobile Computing
		Artificial Intelligence
		Computer Graphics
<b>For Candidates admitted prior to 2008-09 under Non-equivalent subjects</b>		
<b>Maximum Marks : 80</b>		
01.11.2019 AN	Software Project Management	GSBEA
02.11.2019 AN	Fuzzy Logic with Engineering Applications	GSBEB
04.11.2019 AN	Network Programming	GSBEC
<b>05.11.2019 AN</b>	<b>Bio-Informatics</b> (Common paper to M.Sc.- Chemistry)	<b>GSB3N/BCRBC</b>
<b>06.11.2019 AN</b>	<b>Artificial Neural Networks</b> (Common paper to M.Sc.- Bio-Informatics)	<b>GSBEG/BCPBC</b>
07.11.2019 AN	Digital Image Processing	GSBEH
08.11.2019 AN	Computer Simulation & Modeling	GSBEJ
09.11.2019 AN	Data Structures	MT1A
11.11.2019 AN	Object Oriented Programming with C++	MT1C
12.11.2019 AN	Web Technology	MT2H
13.11.2019 AN	Object Oriented Analysis and Design	MT3L
<b>University Centenary Building, Chepauk, Chennai – 600 005. November 2019</b>		<b>Dr. K. PANDIAN, M.Sc., Ph.D., Controller of Examinations.</b>