

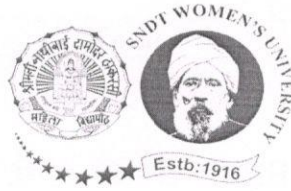
SNDT Women's University

Syllabus

Masters

in

Computer Applications(MCA)



SNDT Women's University

Sir Vithaldas Thackersey Vidyavihar,

Juhu Road, Santacruz West, Mumbai 400 049.

(Applicable to students taking admission in and after 2019)

(Sem I to VI: Modified on 6th July 2019 Ad-hoc BOS)

Alkhanwar
Head, P. G. Department
of Computer Science
S.N.D.T. Women's University

MCA SEMESTER-I

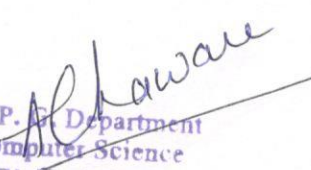
Code	Subject	L	Pr.	Cr.	Int. Exam.	Ext. Exam.	Total Marks
1101	Operating Systems	4		4	50	50	100
1102	Discrete Mathematics	4	-	4	50	50	100
1103	Data Structures and Analysis of Algorithm	4	-	4	50	50	100
1104	Technical Communications and Soft Skills	4	-	4	50	50	100
1105	Data Communications and Networking	4	-	4	50	50	100
1201	Operating System Lab	-	2	2	25	25	50
1202	Data Structures Lab using C	-	2	2	25	25	50
Total					24		600

MCA SEMESTER-II

Code	Subject	L	Pr.	Cr.	Int. Exam.	Ext. Exam.	Total Marks
2101	Object Oriented Analysis and Design	4		4	50	50	100
2102	Software Architecture	4	-	4	50	50	100
2103	Database Management Systems	4	-	4	50	50	100
2104	Accounts and Financial Management	4	-	4	50	50	100
2105	Statistical Analysis	4	-	4	50	50	100
2201	Object Oriented Analysis and Design Lab	-	2	2	25	25	50
2202	Database Management Systems Lab	-	2	2	25	25	50
Total					24		600

MCA SEMESTER-III

Code	Subject	L	Pr.	Cr.	Int. Exam.	Ext. Exam.	Total Marks
3101	Advanced Java	4		4	50	50	100
3102	Software Engineering Methodology	4	-	4	50	50	100
3103	Computer Network & Programming	4	-	4	50	50	100
3104	Research Methodology	4	-	4	50	50	100
3105	Cyber Security and Cyber law	4	-	4	50	50	100
3201	Advanced Java Lab	-	2	2	25	25	50
3202	Network Programming Lab	-	2	2	25	25	50
Total					24		600


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MCA SEMESTER-IV

Code	Subject	L	Pr.	Cr.	Int. Exam.	Ext. Exam.	Total Marks
4101	Python Programming	4		4	50	50	100
4102	Web Technology	4	-	4	50	50	100
4103	Managerial Economics	4	-	4	50	50	100
4104	Data Warehousing and Data Mining	4	-	4	50	50	100
4105	Elective-I	4	-	4	50	50	100
4201	Python programming Lab	-	2	2	25	25	50
4202	Web Technologies Lab	-	2	2	25	25	50
Total				24			600

MCA SEMESTER-V

Code	Subject	L	Pr.	Cr.	Int. Exam.	Ext. Exam.	Total Marks
5101	Mobile Application Development	4		4	50	50	100
5102	Decision Making and Mathematical Modelling	4	-	4	50	50	100
5103	Artificial Intelligence	4	-	4	50	50	100
5104	Software Project Management	4	-	4	50	50	100
5105	Elective -II	4	-	4	50	50	100
5201	Mobile Application Development lab	-	2	2	25	25	50
5202	Business Intelligence Lab	-	2	2	25	25	50
Total				24			600

MCA SEMESTER-VI

Code	Subject	L	P/T	Cr	Ext.	Int.	Total
6101	Seminar*	-	-	8	100	100	200
6102	Project*	-	-	16	200	200	400
Total				24			600

Names of Elective-I
Data Science
Software Testing and Tools
Computer Graphics
Enterprise Resource planning-ERP

Names of Elective-II
Image Processing
Digital Forensics
Geographical information Systems
MULTIMEDIA Applications
Neural network and Fuzzy logic
Design Techniques and data analytics