

S.N.D.T. Women's University, Mumbai
Syllabus for- BSc.-IT

B.Sc.-IT SEMESTER-I

Code	Subject	L	Pr./ Tu	Cr	Ext. Exam.	Int. Exam.	Total Marks
1101	Communication Skills	3	1	4	75	25	100
1102	Mathematics-I	3	1	4	75	25	100
1103	Introduction to IT	4	-	4	75	25	100
1104	Problem Solving Using 'C'	4	-	4	75	25	100
1201	C Programming Lab	1	1	2	25	25	50
1202	Software Tools and Applications Lab	1	1	2	25	25	50
Total					20		500

SEMESTER-I	1 Credit=25 Marks Total Credits = 20 Total Marks = 20*25=500
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B.Sc.-IT SEMESTER-II

Code	Subject	L	Pr./ Tu	Cr	Ext. Exam.	Int. Exam.	Total Marks
2101	Environmental Science	3	1	4	75	25	100
2102	Operating Systems	3	1	4	75	25	100
2103	Computer Organization and Architecture	4	-	4	75	25	100
2104	Programming Methodology and C++	4	-	4	75	25	100
2201	C++ Programming Lab	1	1	2	25	25	50
2202	UNIX/LINUX LAB	1	1	2	25	25	50
Total					20		500

SEMESTER-II	1 Credit=25 Marks Total Credits = 20 Total Marks = 20*25=500
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B.Sc.-IT SEMESTER-III

Code	Subject	L	Pr./ Tu	Cr	Ext. Exam.	Int. Exam.	Total Marks
3101	Data Structures	3	-	4	75	25	100
3102	Database Management System & File System	3	-	4	75	25	100
3103	Mathematics-II	4	-	4	75	25	100
3104	Accounting and Finance Management	2	2	4	75	25	100
3201	Data Structures Lab	-	2	2	25	25	50
3202	Database Management System & File System Lab	-	2	2	25	25	50
Total					20		500

SEMESTER-III	1 Credit=25 Marks Total Credits = 20 Total Marks = 20*25=500
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B.Sc.-IT SEMESTER-IV

Code	Subject	L	Pr./ Tu	Cr	Ext. Exam.	Int. Exam.	Total Marks
4101	Software Engineering	3	1	4	75	25	100
4102	Multimedia and Animation	3	1	4	75	25	100
4103	Computer Networks	4	-	4	75	25	100
4104	System Programming	4	-	4	75	25	100
4201	Software Engineering Lab	1	1	2	25	25	50
4202	Multimedia and Animation LAB	1	1	2	25	25	50
Total					20		500

SEMESTER-IV	1 Credit=25 Marks Total Credits = 20 Total Marks = 20*25=500
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B.Sc.-IT SEMESTER-V

Code	Subject	L	Pr./ Tu	Cr	Ext. Exam.	Int. Exam.	Total Marks
5101	Software Testing	3	1	4	75	25	100
5102	Internet Security	3	1	4	75	25	100
5103	JAVA Programming	4	-	4	75	25	100
5104	Web Technologies	4	-	4	75	25	100
5201	JAVA Programming LAB	1	1	2	25	25	50
5202	Web Technologies Lab	1	1	2	25	25	50
Total				20			500

SEMESTER-V	1 Credit=25 Marks Total Credits = 20 Total Marks = 20*25=500
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B.Sc.-IT SEMESTER-VI

Code	Subject	L	Pr./ Tu	Cr	Ext. Exam.	Int. Exam.	Total Marks
6101	Intelligent Property Rights, Patents And Cyber Laws	3	1	4	75	25	100
6102	Data Warehousing	3	1	4	75	25	100
6103	Mobile Computing	4	-	4	75	25	100
6104	Electives -						
	Business Process Reengineering	4	-	4	75	25	100
	Introduction to Artificial Intelligence						
	Customer Relationship Management						
	Supply Chain Management						
6201	Academic Project LAB	-	-	4	75	25	100
Total				20			500

SEMESTER-VI	1 Credit=25 Marks Total Credits = 20 Total Marks = 20*25=500
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SEMESTER						1 Credit=25 Marks Total Credits = 120 Total Marks = 120*25=3000
I	II	III	IV	V	VI	
20	20	20	20	20	20	

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- * Lab Components are practical oriented and no theory examinations will be conducted. Practical examinations will be conducted and evaluated by Internal and External Examiners.

- **Int. Exam: C.A.:** Internal examination and continuous assessment involves two internal test + Assignments/ Presentation/ Oral/ Viva/Group Discussion etc

Terms Used:

Tu.: Tutorial

Pr.: Practical

C.A.: Continuous Assessment

Tw.: Term Work

Cr.: Credits

Int.: Internal

Ext.: External