

B.Sc. Information Technology Management

Syllabus Tables Only - Semester I to VI

B.Sc. Information Technology Management - Semester I

Semester	Course / Paper	Course Name	Credit	Total Marks
Semester I	ITM-MJ-1.1.1 Theory	Data Structure using C	4	70 (10 Mid + 10 CE + 50 End)
Semester I	ITM-MJ-1.1.1 Practical	Data Structure using C		30 (10 Mid + 20 End)
Semester I	ITM-MJ-1.1.2 Theory	Operating Systems	4	70 (10 Mid + 10 CE + 50 End)
Semester I	ITM-MJ-1.1.2 Practical	Operating Systems		30 (10 Mid + 20 End)
Semester I	ITM-MI-1.1.1 Theory (For students of other subjects except B.Sc. Computer Sc., DSM & BCA)	Database Management Systems	4	70 (10 Mid + 10 CE + 50 End)
Semester I	ITM-MI-1.1.1 Practical	Database Management Systems		30 (10 Mid + 20 End)
Semester I	ITM-MDC-1.1.1 (For students of other subjects except B.Sc. Computer Sc., DSM & BCA)	Math For Computer Science	3	100
Semester I	AEC-1.1.1 (Ability Enhancement Course)	MIL (Odia/Hindi/Sanskrit/Urdu)	4	100
Semester I	VAC-1.1.1 (Value Added Course)	Environmental Studies & Disaster Management	3	100
	TOTAL CREDITS		22	

B.Sc. Information Technology Management - Semester II

Semester	Course / Paper	Course Name	Credit	Total Marks
Semester II	ITM-MJ-1.2.3 Theory	Principle of Management	4	70 (10 Mid + 10 CE + 50 End)
Semester II	ITM-MJ-1.2.3 Practical	Principle of Management		30 (10 Mid + 20 End)
Semester II	ITM-MJ-1.2.4 Theory	Java	4	70 (10 Mid + 10 CE + 50 End)
Semester II	ITM-MJ-1.2.4 Practical	Java		30 (10 Mid + 20 End)
Semester II	ITM-MI-1.2.2 Theory (For students of other subjects except B.Sc. Computer Sc., DSM & BCA)	Database Management Systems		70 (10 Mid + 10 CE + 50 End)
Semester II	ITM-MI-1.2.2 Practical	Database Management Systems	4	30 (10 Mid + 20 End)
Semester II	ITM-MDC-1.2.2 (For students of other subjects except B.Sc. Computer Sc., DSM & BCA)	Programming in C++	3	100
Semester II	AEC-1.2.2 (Ability Enhancement Course)	English	4	100
Semester II	ITM-SEC-1.2.1 (Skill Enhancement Course)	Quantitative Aptitude and Logical Reasoning	3	100
	TOTAL CREDITS		22	

B.Sc. Information Technology Management - Semester III

Semester	Course / Paper	Course Name	Credit	Total Marks
Semester III	ITM-MJ-2.3.5 Theory	Digital Logic	4	70 (10 Mid + 10 CE + 50 End)
Semester III	ITM-MJ-2.3.5 Practical	Digital Logic		30 (10 Mid + 20 End)
Semester III	ITM-MJ-2.3.6 Theory	Computer Networks	4	70 (10 Mid + 10 CE + 50 End)
Semester III	ITM-MJ-2.3.6 Practical	Computer Networks		30 (10 Mid + 20 End)
Semester III	ITM-MJ-2.3.7 Theory	Business Accounting	4	70 (10 Mid + 10 CE + 50 End)
Semester III	ITM-MJ-2.3.7 Practical	Business Accounting		30 (10 Mid + 20 End)
Semester III	ITM-MI-1.2.2 Theory (For students of other subjects except B.Sc. Computer Sc., DSM & BCA)	Data Mining and Data Warehousing	4	100 (20 Mid + 20 CE + 60 End)
Semester III	ITM-MDC-2.3.3 (For students of other subjects except B.Sc. Computer Sc., DSM & BCA)	Machine Learning	3	100
Semester III	ITM-VAC-2.3.2	Introduction to ICT	3	100
	TOTAL CREDITS		22	

4TH SEMESTER BSc. ITM(H)

Category	Core / Paper	Subject Name
MAJOR	CORE-I PAPER-8	Database Systems
MAJOR	CORE-I PAPER-9	Organizational Behaviour
MAJOR	CORE-I PAPER-10	Foundation of Data Science & Data Analytics
MINOR	CORE-III PAPER-2	Mechanics
INTERNSHIP		

5TH SEMESTER BSc. ITM(H)

Category	Core / Paper	Subject Name
MAJOR	CORE-I PAPER-11	Web Technology
MAJOR	CORE-I PAPER-12	Software Engineering
MAJOR	CORE-I PAPER-13	Digital Marketing
MINOR	CORE-II PAPER-3	Real Analysis-I
SEC	PAPER-2	
VAC	PAPER-3	

6TH SEMESTER BSc. ITM(H)

Category	Core / Paper	Subject Name
MAJOR	CORE-I PAPER-14	Theory of Computation
MAJOR	CORE-I PAPER-15	Python Programming
MINOR	CORE-III PAPER-3	Electricity & Magnetism
SEC	PAPER-3	
VAC	PAPER-4	