

Scheme of Examination for M.Sc. in Cyber Security

Semester I

Course Code	Title of the Course	Credits	Hours per week	Duration of the Exam	Marks		
					IA	Exam	Total
Hard Core (All are Compulsory)							
CSCH 401	Introduction to Cyber Security	04	04	3 hours	30	70	100
CSCH 402	Unix and Shell Programming	04	04	3 hours	30	70	100
CSCH 403	Data Structures	04	04	3 hours	30	70	100
Soft Core (two to be chosen by the student)							
CSCS 404	Mathematical Foundations	03	03	3 hours	30	70	100
CSCS 405	Problem solving using Python	03	03	3 hours	30	70	100
CSCS 406	E-Commerce and E-Governance	03	03	3 hours	30	70	100
CSCS 407	Computer Networks	03	03	3 hours	30	70	100
CSCS 408	Foundations of Cryptography	03	03	3 hours	30	70	100
Practicals							
CSCP 409	Data Structures Laboratory	02	04	03 hours	30	70	100
CSCP 410	Unix and Shell Programming Laboratory	02	04	03 hours	30	70	100
Total		-	-	-	210	490	700

Semester II

Course Code	Title of the Course	Credits	Hours per week	Duration of the Exam	Marks		
					IA	Exam	Total
Hard Core (All are Compulsory)							
CSCH 451	Design and Analysis of Algorithms	04	04	3 hours	30	70	100
CSCH 452	Network Security	04	04	3 hours	30	70	100
CSCH 453	Data Communications	04	04	3 hours	30	70	100
Soft Core							
CSCS 454	Design of Cryptographic Algorithms	03	03	3 hours	30	70	100
CSCS 455	Cyber Threat Intelligence	03	03	3 hours	30	70	100
CSCS 456	Cloud Computing and Security	03	03	3 hours	30	70	100
CSCS 458	Internet of Things	03	03	3 hours	30	70	100
Practicals							
CSCP 459	Network Security Laboratory	02	04	03 hours	30	70	100
CSCP 460	Design and Analysis of Algorithms Laboratory	02	04	03 hours	30	70	100
Seminar							
CSCS 461	Seminar on latest trends and techniques in Cybersecurity	01	01	-	15	35	50