



RANI DURGAVATI VISWAVIDYALAYA, JABALPUR

(M.Sc.) CyberSecurity

M.Sc. (CBS)

Scheme of Examination as per credit system

M.Sc. (CS)First Semester										
Course code	Subject	Periods per Week			Credits	Maximum Marks Theory Slot		Maximum Marks Practical Slot		Total Marks
		L	T	P		End Sem. Exam	Tests (Two)/assignment	End Sem. Practical performance/viva	Practical Record/Presentation/	
MS-101	Microprocessor Architecture & Assembly Language Programming	4	-	-	4	60	40	-	-	100
MS-102	Operating System Design Principles	4	-	-	4	60	40	-	-	100
MS-103	Fundamentals of Information Security	4	-	-	4	60	40	-	-	100
MS-104	Mathematical Foundation of Information Security	4	-	-	4	60	40	-	-	100
MSL-105	Lab based upon MS-101	-	-	08	4	-	-	60	40	100
	Comprehensive Viva-Voce	-	-	-	4 *(Virtual)	-	-	-	-	100
	TOTAL	16	-	08	20+4	240	160	60	40	500

L:Lecture- T:tutorial- P:Practical 1 Credit=1 hr. (Theory) 1 credit=2 hrs. (Practical) *Virtual : to be displayed on the grade sheet but not to be used for SGPA calculation

M.Sc. (CBS) Second Semester

Course code	Subject	Periods per Week			Credits	Maximum Marks Theory Slot		Maximum Marks Practical Slot		Total Marks
		L	T	P		End Sem. Exam	Tests (Two)/assignment	End Sem. Practical performance/viva	Practical Record/Presentation/	
MS-201	Internals of Operating systems	4	-	-	4	60	40	-	-	100
MS-202	Computer networks	4	-	-	4	60	40	-	-	100
MS-203	Advanced data Structure	4	-	-	4	60	40	-	-	100
MS-204	Computer Forensics Analysis and Investigation	4	-	-	4	60	40	-	-	100
MSL-205	Lab based upon Ms-203 & MS-204	-	-	04	2	-	-	60	40	100
	Comprehensive Viva-Voce	-	-	-	4 *(Virtual)	-	-	-	-	100
	TOTAL	16	-	04	18+4	240	160	60	40	500

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M.Sc. (CBS) Third Semester

Course code	Subject	Periods per Week			Credits	Maximum Marks Theory Slot		Maximum Marks Practical Slot		Total Marks
		L	T	P		End Sem. Exam	Tests (Two)/assignment	End Sem. Practical performance/viva	Practical Record/Presentation/	
MS-301	Secure Software Engineering	4	-	-	4	60	40	-	-	100
MS-302	E-commerce Security	4	-	-	4	60	40	-	-	100
MS-303	Digital Forensics and Tools	4	-	-	4	60	40	-	-	100
MS-304	Cryptography & Network Security	4	-	-	4	60	40	-	-	100
MSL-305	Lab based upon MS-303	-	-	04	2	-	-	60	40	100
	Comprehensive Viva-Voce	-	-	-	4 *(Virtual)	-	-	-	-	100
	TOTAL	16	-	08	18+4	240	160	60	40	500

L:Lecture- T:tutorial- P:Practical 1 Credit=1 hr. (Theory) 1 credit=2 hrs. (Practical)***Virtual** : to be displayed on the grade sheet but not to be used for SGPA calculation

M.Sc. (CBS) Fourth Semester

Course code	Subject	Periods per Week			Credits	Maximum Marks Theory Slot		Maximum Marks Practical Slot		Total Marks
		L	T	P		End Sem. Exam	Tests (Two)/assignment	End Sem. Practical performance/viva	Practical Record/Presentation/	
MS-401	Ethical Hacking	4	-	-	4	60	40	-	-	100
MS-402	Cyber Laws & Information Security	4	-	-	4	60	40	-	-	100
MSL-403	Project+Seminar	-	-	16	8	-	-	120	80	200
	Comprehensive Viva-Voce	-	-	-	4 *(Virtual)	-	-	-	-	100
	TOTAL	08	-	16	16+4	120	80	120	80	400

L:Lecture- T:tutorial- P:Practical 1 Credit=1 hr. (Theory) 1 credit=2 hrs. (Practical) ***Virtual** : to be displayed on the grade sheet but not to be used for SGPA calculation