#### M.B.A.

Duration : Two years Eligibility: Bachelor Degree from a Recognized University Medium - English

Sem	Course code	Course Title	CIA (max)	ESE (max)	Total (max)	Credit
1	31711	Management – Principles and Practices	25	75	100	4
İ	31712	Organizational Behaviour	25	75	100	4
	31713	Managerial Economics	25	75	100	4
	31714	Quantitative Techniques	25	75	100	4
	31715	Financial and Management Accounting	25	75	100	4
İ		Total	125	375	500	20
11	31721	Research Methods	25	75	100	4
	31722	Business Environment	25	75	100	4
İ	31723	Business Laws	25	75	100	4
	31724	Management Information System	25	75	100	4
1	31725	Human Resource Management	25	75	100	4
		Total	125	375	500	20
Ш	31731	Marketing Management	25	75	100	4
	31732	Financial Management	25	75	100	4
1	31733 X1		25	75	100	4
	31734 X2		25	75	100	4
İ	31735 X3		25	75	100	4
		Total	125	375	500	20
IV	31741X1		25	75	100	4
	31742 X2		25	75	100	4
	31743 X3		25	75	100	4
	31744 X4		25	75	100	4
	31745X5		25	75	100	4
		Total	125	375	500	20
		Grand TOTAL	500	1500	2000	80

PCP per Semester: Theory Courses - 80 Hours (5 Courses with 4 Credits each) CIA: Continuous Internal Assessment,

ESE: End Semester Examination.

m	Elective Group	Course Code	Course Title
Ш	A : Human Resource	31733A1	Industrial Relations Management
	Management	31734A2	Labour Legislations – I
		31735A3	Training and Development
	B : Marketing Management	31733B1	Marketing of Services
		31734B2	Promotional Management
		31735B3	Product Management
	C : Financial Management	31733C1	Management of Funds
		31734C2	Investment Analysis and Portfolio Management
		31735C3	Financial Services and Institutions
	D : International Business	31733D1	International Economics
		31734D2	International Marketing
		31735D3	Export Management and Documentation
	E : Corporate Secretaryship	31733E1	Labour and Industrial Laws
		31734E2	Securities Laws and Financial Markets
		31735E3	Indirect Taxes
	F : Project Management	31733F1	Project Formulation and Appraisal
		31734F2	Project Support System
		31735F3	Project Control System
	G : Hospital Management	31733G1	Principles of Hospital Management
		31734G2	Hospital Planning and Designing
		31735G3	Materials Management in Hospitals
	H : Tourism Management	31733H1	Tourism and Accommodation
		31734H2	Tour Operators and Travel Agencies
		31735H3	Quality in Tourism

ducation Management	3173311	Laws Relating to Education
	31734I2 31735I3	Curriculum Designing Education Infrastructure
tetail Management	31733J1	Principles of Retail Management
	31734J2	Shopper Behaviour and Relations Management
	31735J3	Retail Sales Management and Selling Skills
echnology Management	31733K1	Management of Innovation and R&D
	31734K2	Re-engineering and Flexi Systems
ogistics Management	31735K3 31733L1	Technology Policy, Ethics and IPR Management  Modern Logistics Operations
ogistics Management	31733L1	Packing and Packaging Management
	31735L3	Rail-Road-Logistics
Corporate Management	31733M1	Company Law and Practice
	31734M2	Global Business & MNCs
anking and Finance	31735M3 31733N1	Securities Laws and Financial Markets
Banking and Finance	31733N1 31734N2	Banking Law and Practice Central Banking and Monetary Management
	31735N3	International Banking and Foreign Exchange
System Management	3173301	Office Automation
	3173402	Internet Programming and Web Design
	31735O3	Multimedia Applications
Production and Operations	31733P1	Production and Operations Management
Management	31734P2 31735P3	Re-engineering and Flexi Systems Manufacturing, Maintenance and Waste Management
Cooperative Management	31733Q1	Cooperation: Policies and Development
rooperative management	31734Q2	Cooperatives and Allied Law
	31735Q3	Cooperative Institutions: Credit & Non-Credit
luman Resource	31741A1	Compensation Management
Management	31742A2	Global Human Resource Management
	31743A3	Emotional Competence
	31744A4 31745A5	Labour Legislations – II Project Report
Marketing Management	31741B1	International Marketing
	31742B2	Logistics Marketing and Technology
	31743B3	Quality Management
	31744B4	Strategic Retail Management
inancial Management	31745B5 31741C1	Project Report Foreign Exchange Management
mancial Management	31741C1 31742C2	Multinational Financial Management
	31743C3	Project Finance
	31744C4	Investment and Derivatives Market
	31745C5	Project Report
nternational Business	31741D1	International Marketing Logistics
	31742D2 31743D3	Foreign Exchange Management Management strategies of MNCs
	31744D4	WTO – Constitutions and Operations
	31745D5	Multinational Financial Management
Corporate Secretaryship	31741E1	Company Secretarial Practice
	31742E2	Corporate Restructuring: Law and Practice
	31743E3 31744E4	Drafting and Conveyancing Economic Legislations
	31744E4 31745E5	Secretarial and Management Audit
roject Management	31741F1	Project Risk Management
	31742F2	Project Contracting and Clearance
	31743F3	Project Exports
	31744F4	Disaster Management
Joenital Management	31745F5	Project Preparation
Hospital Management	31741G1 31742G2	Hospital Records Management Hospital Related Laws
	31742G2 31743G3	Marketing of Hospital Services
	31744G4	Quality Management in Hospitals
	31745G5	Hospital Hazards Management
Ourism Management	31741H1	Tourism Entrepreneurship
	31742H2	Tourism Project Management
	31743H3	Institutional Framework of Tourism
		Global Tourism Emerging Issues in Tourism
	317//SLIS	
ou	irism Management	1741H1 31742H2 31742H2

	3174313	Marketing of Education Services
	3174414	Quality in Education
	3174515	Contemporary issues in Education
J : Retail Management	31741J1	Retail Logistics and Supply Chain
	31742J2	Store and Mall Management
	31743J3	Retail Trends
	31744J4	Retail Technology Management
	31745J5	Growth Management
K : Technology Management	31741K1	Manufacturing, Maintenance and Waste Management
	31742K2	Knowledge and Change Management
	31743K3	Management of Technology Transfer and Absorption
	31744K4	Growth Management
	31745K5	Quality Management
L : Logistics Management	31741L1	Warehousing Management
	31742L2	Maritime Logistics and Documentation
	31743L3	Air Cargo Logistics
	31744L4	Logistics Marketing and Technology
	31745L5	Growth Management
M : Corporate Management	31741M1	Corporate Social Responsibilities and Ethics
•	31742M2	Corporate Finance and Tax Management
	31743M3	Corporate Governance
	31744M4	Corporate Audit and Compliance Management
	31745M5	Corporate Restructuring
N : Banking and Finance	31741N1	Computer and Banking
	31742N2	Investment Analysis and Portfolio Management
	31743N3	Project Finance
	31744N4	Mutual Fund Management
	31745N5	Merchant Banking
O : System Management	3174101	Management Control Systems
	3174202	Re-engineering and Flexi Systems
	3174303	Relational Database Management Systems
	3174404	Data Mining and Warehousing
	3174505	Software Engineering
P : Production and Operations	31741P1	Management of Technology Transfer and Absorption
Management	31742P2	Management of Innovation and R&D
	31743P3	Warehousing Management
	31744P4	Growth Management
	31745P5	Quality Management
Q : Cooperative Management	31741Q1	Management of Cooperative Enterprises
	31742Q2	Dynamics of Cooperation
	31743Q3	Entrepreneurship Development in Cooperative
	31744Q4	Cooperative Accounting, Finance and Audit
	31745Q5	Project

# M.Sc. Computer Science

Duration: Two years
Eligibility: Bachelor Degree from a recognized University with Mathematics at +2 level

Sem	Course code	Course Title	CIA (max)	ESE (max)	Total (max)	Credit
1	34111	Design and Analysis of Algorithms	25	75	100	4
	34112	Applied Mathematics for Computer Science	25	75	100	4
	34113	Advanced Java Programming	25	75	100	4
	34114	Lab – Advanced Java Programming	25	75	100	4
		Total	100	300	400	16
П	34121	Computer System Architecture	25	75	100	4
	34122	Distributed Operating System	25	75	100	4
Γ	34123	Net Programming	25	75	100	4
	34124	Lab – .Net Programming	25	75	100	4
		Total	100	300	400	16
III	34131	Cryptography and Network Security	25	75	100	4
	34132	Cloud Computing	25	75	100	4
	34133	Web Technology	25	75	100	4
	34134	Lab – Web Technology	25	75	100	4
		Total	100	300	400	16
IV	34141	Data Mining and ware housing	25	75	100	4
	34142	Mobile Application Development	25	75	100	4
	34143	Artificial Intelligence and Expert Systems	25	75	100	4
	34144	Project	25	75	100	4
		Total	100	300	400	16
		Grand TOTAL	400	1200	1600	64

PCP per Semester:

Theory Courses - 48 Hours (3 Courses with 4 Credits each)

Practical - 120 Hours (1 Course with 4 Credits)

CIA: Continuous Internal Assessment

ESE: End Semester Examination.

# M.Sc. Information Technology

Duration : Two years

Sem	Course code	Course Title	CIA (max)	ESE (max)	Total (max)	Credi
1	31311	Computer Organization and Architecture	25	75	100	4
	31312	Object Oriented Programming and Java	25	75	100	4
	31313	Data Structures and Algorithms	25	75	100	4
	31314	Object Oriented Programming and Java Lab	25	75	100	4
		Total	100	300	400	16
11	31321	Data Mining and Warehousing	25	75	100	4
Ī	31322	Relational Database Management Systems (RDBMS)	25	75	100	4
	31323	Visual Programming with .NET	25	75	100	4
Ī	31324	VB.NET & RDBMS Lab	25	75	100	4
		Total	100	300	400	16
Ш	31331	Open Source Software	25	75	100	4
	31332	Operating Systems	25	75	100	4
	31333	Computer Networks	25	75	100	4
	31334	Open Source Lab	25	75	100	4
		Total	100	300	400	16
IV	31341	Web Technology	25	75	100	4
	31342	Software Engineering	25	75	100	4
	31343	Cloud Computing	25	75	100	4
	31344	Web Technology Lab	25	75	100	4
1		Total	100	300	400	16
		Grand TOTAL	400	1200	1600	64

## PCP per Semester:

Theory Courses - 48 Hours (3 Courses with 4 Credits each)

Practical - 120 Hours (1 Course with 4 Credits)

CIA: Continuous Internal Assessment ESE: End Semester Examination.

### M.C.A.

Duration: Two years

Eligibility: B.Sc. Degree in Mathematics / Statistics / Applied Science / Computer Science / IT (or) B.Sc. Physics / Chemistry/
Electronics as major subject and Mathematics as ancillary subject (or) B.C.A. / B.Com / BBA (candidate should have studied
Mathematics / Statistics / Business Mathematics in +2 level)

Sem	Course code	Course Title	CIA (max)	ESE (max)	Total (max)	Credit
1	31511	Digital Computer Organization	25	75	100	4
	31512	Object Oriented Programming and C++	25	75	100	4
	31513	Data Structure and Algorithms	25	75	100	4
	31514	Discrete Mathematics	25	75	100	4
	31515	Data Structures using C++ Lab	25	75	100	4
		Total	125	375	500	20
Ш	31521	Accounting and Financial Management	25	75	100	4
	31522	Relational Database Management Systems (RDBMS)	25	75	100	4
	31523	Computer Graphics	25	75	100	4
	31524	Visual Programming with ●NET	25	75	100	4
	31525	VB.NET and RDBMS Lab	25	75	100	4
		Total	125	375	500	20
Ш	31531	Software Engineering	25	75	100	4
	31532	Operating System	25	75	100	4
Ī	31533	Internet and Java Programming	25	75	100	4
Ī	31534	Computer Networks	25	75	100	4
	31535	Data Mining and Warehousing	25	75	100	4
	31536	Internet and Java Programming Lab	25	75	100	4
Ī		Total	125	375	500	20
IV	31541	Internet of Things (IoT)	25	75	100	4
	31542	Artificial Intelligence and Soft Computing	25	75	100	4
	31543	Big Data Analytics and R Programming	25	75	100	4
Ī	31544	Mobile Application Development	25	75	100	4
	31545	Project Work	25	75	100	4
		Total	125	375	500	20
		Grand TOTAL	500	1500	2000	80

### PCP per Semester:

Theory Courses – 12 Hours per Course with 4 Credits Practical – 120 Hours (1 Course with 4 Credits)

CIA: Continuous Internal Assessment ESE: End Semester Examination.