INSTITUTE OF MANAGEMENT STUDIES			
M.B.A. 2 Year Component of 5 Year Integrated MBA (e-Commerce) **Batch (2017- 2019)** **Semester II**			
Subject Name	**Business Intelligence**	**Subject Code**	ME801
		Total Credits	**03**

Subject Nature: General

Course Objective:
The objective of teaching this course is to enable students to integrate knowledge of various functional areas and technologies use for business integration.

Learning Outcome:

At the student will get the knowledge of various functional areas uses for businesses integrations.

Examination scheme:

The semester examination is worth 60marks and 40marks for internal assessment. Students will have to answer five questions out of 7/8 questions

Course Contents		
UNIT –1 **ERP**	**ERP: Enterprise Resource Planning** 1.1 Overview of ERP 1.2 Objective of ERP 1.3 ERP evolution 1.4 Trades in ERP 1.5 ERP Technology 1.6 Benefits and challenges of ERP 1.7 Different types of ERP Software 1.8 ERP Implementation & challenges	**08**

Unit-2 Supply Chain Management	2.01 Overview of Supply Chain Management 2.02 Identifying Supply Chains 2.03 Key Supply Chain Management Processes 2.04 Evolution of Supply Chain Management 2.05 Creating Value through Supply Chain Management 2.06 The Impact of globalization on Supply Chain Management 2.07 Supply Chain Management Strategy 2.08 Elements of Supply Chain Management 2.09 Logistics network configuration 2.10 data Collection and validation 2.11 key features of Network configuration 2.12 Supply Chain integration	12
Unit-3 BPR	3.1 Introduction 3.2 Evolution of Organization and Management Concepts 3.3 The realities of the New Economy, 3.4 The Twenty-first Century Organization 3.5 Re-engineering Defined 3.6 Characteristics and implications of Re-engineered business processes: Characteristics of Re-engineered Processes 3.7 Change accompanying business process Re-engineering 3.8 The role of information technology, creativity and human resources in Re-engineering BPR implementation: Re-engineering Implementation Framework, Succeeding at Reengineering, and BPR Barriers	09
Unit- 4	4.1 The Basics of knowledge Management Concept of Knowledge Management	

Knowledge Management	4.2 KM Myths And Life Cycle, Intelligence, Experience and common sense,	07
	4.3 Data Information and Knowledge	
	4.4 Types of Knowledge and Expert Knowledge	
	4.5 KM system Life Cycle Knowledge Creation and Knowledge Architecture	
Unit -5 Data Mining(DM) & Data ware-house(DW):	5.1Data ware Housing introduction and general principle	09
	5.2 OLTP	
	5.3 DM Architecture fundamentals	
	5.4 Data Mart Approaches to Architecture	
	5.5 DW process and design Data Mining fundamentals concepts	
	5.6 DM architecture, DM Techniques , Issues & Challenges	
	5.7 DM for Research and Business	
	5.8 DM tools & Application	
	TOTAL CLASSROOM CONTACT SESSIONS	45

Text Books:

1. Janak Shah " Supply Chain Management " by, Pearson Education. Latest Edition.
2. Rangaraj, Supply Chain Management for Competitive Advantage,TMH Latest Edition.
3. Ailawadi and Singh, Logistics Management, PHI, Latest Edition.
4. Elias M. A wad and Hassan M. Ghaziri, Knowledge Management, Pearson Education,Latest Edition.

. **Reference Books:**

1. R Radhakrishnan and S Balasubramanan, Business Process Reengineering-Text and Cases, PHI,Latest Edition.
2. ERP Text and case studies by CSV Murthy ,Himalaya Publishing House , New Delhi
3. Data Modeling , A Beginner Guide By Andy Oppel , Published by McGraw Hill

INSTITUTE OF MANAGEMENT STUDIES		
M.B.A. 2 Year Component of 5 Year Integrated MBA (e-Commerce) **Batch (2017 - 2019)** **Semester II**		
Subject Name	**IT ENABLED SERVICE MRKETING**	**Subject Code** ME802
		Total Credits **03**

Subject Nature: CORE

Course Objective:

The objective of this course is to introduce the changing scenario of the services marketing for developing skills in ITES Marketing.

Learning Outcome:

At the end of the semester the student should able to develop skills for IT enabled service marketing and its applications.

Examination scheme:

The semester examination is worth 60 marks and 40 marks for internal assessment. Students will have to answer five questions out of 7/8 questions.

Course Contents

UNIT –1 **Services Fundamentals:**	1.1. Concept 1.2. Characteristics 1.3. Classification of Services 1.4. Business Models. 1.5. Emerging Trends.	O9
UNIT-2 **Strategic Issues**:	2.1 Planning Process, New Services Launch. 2.2 Environment –Socio-Economic, Political, Legal, Technology 2.3 Segmentation, Differentiation, & Positioning. 2.4 Effect of ITeS Marketing on Consumer Behavior. 2.5 Database Marketing & Knowledge Management 2.6 Quality and Productivity	09

Unit-3 Marketing mix & Management in ITES Marketing:	3.1 Product 3.2 Price 3.3 Place and Distribution Matrices 3.4 Promotion 3.5 People 3.6 Physical Evidence 3.7 Process.	09
Unit- 4 ITES Applications:	4.1 Financial Services – Banking, Capital Markets, Insurance 4.2 Health Services – Hospital Information Systems, Pharmacy, Tele-Medicine. 4.3 Retail & Tourism 4.4 Information Technology & Communications Industry (ITC) and BPO 4.5 Government Services	09
Unit -5 Customer Relationship Management:	5.1 Introduction to CRM 5.2 Evolution of CRM – Paradigm shift in marketing 5.3 Significance and benefits of CRM to different business organizations.	09
TOTAL CLASSROOM CONTACT SESSIONS		**45**

Text Books:

- e-Marketing by J. Strauss, A. Ansary, Paymond Frost, PHI Publications.
- Marketing Moves by Philip Kotler, PHI Publications.
- e-Services by Rust & Kannan, PHI Publications.

Reference Books :

Services Marketing by Christopher Lovelock, PHI Publications.

INSTITUTE OF MANAGEMENT STUDIES			
M.B.A. 2 Year Component of 5 Year Integrated MBA (e-Commerce) Batch (2017- 2019) Semester II			
Subject Name	**KNOWLEDGE MANAGEMENT**	Subject Code	ME803
		Total Credits	**03**

Subject Nature: General

Course Objective:

The objective of the course is to make participants aware of using information that creates value and knowledge and how knowledge management system is working in the organization.

Learning Outcome:

At the end of the course students should be able to;

1. To understand about Knowledge management system and its importance for learning Organization and other business processes.
2. It will Help to understand and identifies the organization key resources of knowledge and how it helps in development of organization and Knowledge sharing.

Examination scheme:

The semester examination is worth 60 marks and 40 marks for internal assessment. Students will have to answer five questions out of 7/8 questions. Marking scheme if internal assessment will include class tests and regular class participation.

Course Contents

UNIT –I **Introducing Knowledge Management**	1.1 The concepts of_storage an management 1.2 Approaches to DBMS Information processing 1.3 Information systems, organizational learning. 1.4 Introduction, total quality management 1.5 Introduction to emerging business paradigms. 1.6 Introduction to Knowledge Management 1.7 Basic Knowledge-Related Definitions 1.8 Role of Knowledge Management in today's organization 1.9 Classification of Knowledge Management Systems 1.10 Forces Driving Knowledge Management 1.11 Defining the Data, Information and Knowledge	**09**

	1.12 From Data Processing to Knowledge-based Systems 1.13 Types of Knowledge 1.14 Human's Learning Models 1.15 Expert's Reasoning Methods.	
Unit-2 **Knowledge Management System life Cycle**	2.1 Introduction to Knowledge management system life cycle 2.2 Challenges in building knowledge management system 2.3 Knowledge evaluation ,Knowledge processing 2.4 Knowledge implementation, Identifying Knowledge Centers 2.5 Nonaka's Model of Knowledge Creation and Transformation 2.6 Impediments to Knowledge Sharing	07
Unit-3 **Knowledge Management techniques, Systems and tools**	3.1 Introduction to Knowledge Management Architecture 3.2 The Knowledge Capture Process 3.3 Identifying Experts- Single and Multiple Experts 3.4 Systems and tools. Knowledge analysis 3.5 Organizational Knowledge Dissemination. 3.6 Knowledge Capture Techniques- • On-site Observation (Action Protocol) • Brainstorming (Conventional & Electronic) • Consensus Decision Making • Nominal Group Technique • Delphi Method • Repertory Grid • Concept Mapping • Blackboarding 3.7 Organizational Knowledge Management Architecture and Implementation Strategies	08
Unit- 4 **Knowledge codification**	4.1 Introduction to Knowledge Codification 4.2 Benefits of Knowledge Codification 4.3 Knowledge Codification in the KM System Life Cycle 4.4 Codification Tools-Knowledge Map, Decision Table 4.5 Decision Tree, Frames ,Production Rules, Case-based Reasoning	06
Unit -5 **System testing and Deployment**	5.1 Introduction to Quality Assurance 5.2 Knowledge management testing 5.3 Hurdles in KMS Testing, Logical Testing Approaches 5.4 System Testing & Deployment in KMSLC 5.5 Factors affecting System Deployment	05

Unit-6 **Knowledge transfer and sharing**	6.1 Introduction to Knowledge Transfer & Knowledge Sharing 6.2 Fundamentals of Knowledge transfer 6.3 Learning from data - The Concept of Learning 6.4 Data Visualization ,Neural Networks –The basic 6.5 The Knowledge transfer in Electronic-world 6.6 Groupware categories and applications	05
Unit-7 **Knowledge Portals and Knowledge Management Tools**	7.1 Organizational Collaborative Platforms 7.2 Introductions, Knowledge Management roles 7.3 Knowledge Management Job Opportunities. 7.4 Key Components of Knowledge Portal 7.5 Categories of Portal Tools 7.6 Knowledge Worker	05
	TOTAL CLASSROOM CONTACT SESSIONS	**45**

Learning Resources:

Text Books:

1. **Warrier, E. Sudhir "Knowledge Management", Vikas Publishing House Ltd. New Delhi.**

Reference Books :

1. **Knowledge Management by Shelda Debowski – john Wiley and sons publication**

INSTITUTE OF MANAGEMENT STUDIES			
M.B.A. 2 Year Component of 5 Year Integrated MBA (e-Commerce) **Batch (2017- 2019)** **Semester II**			
Subject Name	**Advanced Computer Networking**	**Subject Code**	ME804
		Total Credits	**03**
Subject Nature: CORE			

Course Objective:

The objective of this course is to provide the students advance concepts of the computer networking and its applications.

Learning Outcome:

At the end of semester the student should get the concept of advanced computer networking and its application.

Examination scheme:

The semester examination is worth 60 marks and 40 marks for internal assessment. Students will have to answer five questions out of 7/8 questions.

Course Contents

UNIT –1 **Introduction to Internet:**	1.1 Evolution of Internet 1.2 Introduction to TCP/IP Model 1.3 Introduction to RFC 1.4 Internet Service : Provider, SLIP, PPP.	**08**
Unit-2 **Addressing in Internet:**	2.1 Introduction to IP addressing. 2.2 Advanced concept of Domain Name System. 2.3 Introduction to the advanced concept of URL.	**08**

Unit-3 **Internet Connectivity:**	3.1 Dial-up 3.2 Leased line 3.3 VSAT 3.4 ISDN	**08**
Unit -4 **Internet Account:**	4.1 Advance concept of Shell account & TCP/IP account	**05**
Unit-5 **Internet applications:**	5.1 advance concept of File transfer 5.2 the concept of Remote login 5.3 The concept of Email	**08**
Unit -6	6.1 Introduction of Mobile communication and wireless networking.	**08**
TOTAL CLASSROOM CONTACT SESSIONS		**45**

Learning Resources:

Text Books:

- Computer Networks by Tanenbaum, III edn. PHI.
- Internetworking with TCP/IP by Douglas Comer Prentice Hall

Reference Books :

- The Internet By Douglas Comer, III edn. Pearson Education

INSTITUTE OF MANAGEMENT STUDIES			
M.B.A. 2 Year Component of 5 Year Integrated MBA (e-Commerce) **Batch (2017- 2019)** **Semester II**			
Subject Name	**Software Project Management**	**Subject Code**	ME805
		Total Credits	**03**

Subject Nature: CORE

Course Objective:

The Objective of the course is to introduce the students to essential knowledge of software project management.

Learning Outcome:

At the end of semester the student should be able to get the knowledge about the software project management.

Examination scheme:

The semester examination is worth 60marks and 40marks for internal assessment. Students will have to answer five questions out of 7/8 questions

Course Contents		
UNIT –1 **Project Management Context and Process**	1.1 Introduction to Project Management 1.2 Project management relationship of software project management with other disciplines 1.3 Project phases and project lifecycles 1.4 Importance of Project 1.5 Management review.	**10**
UNIT-2 **Project Integration Management and Scope Management**	2.1 Project Integration 2.2 Development and execution 2.3 Integrated change control. 2.4 Scope management 2.5 Strategic planning 2.6 Identifying potential projects 2.7 Selection of the projects.	**10**

Unit-3 **Project Time and Cost Management**	3.1 Importance of time, schedules, activities 3.2 Scheduling and sequencing of activities 3.3 Project network diagrams. 3.4 Using software in scheduling and time management. 3.5 Cost management types of cost estimates, cost estimation techniques and tools, resource planning	10
Unit- 4 **Project Quality Management**	4.1 Quality of Information Technology Project 4.2 Modern Quality Management and ISO 9000 Quality Planning. 4.3 Quality Assurance, Quality Control, Tools and Techniques for Quality Control 4.4 Pareto Analysis 4.5 Statistical Sampling and Standard Deviation 4.6 Quality Control Charts 4.7 Six Sigma and the Seven Run Rule Capability Maturity Model for Software.	10
Unit -5 **Component based Software Engineering**	5.1 Engineering of Component based Systems 5.2 The CBSE process 5.3 Domain Engineering and Component based development 5.4 Classifying and retrieving Components.	05
	TOTAL CLASSROOM CONTACT SESSIONS	45

Text Books:

1. Information Technology Project Management by Kathy Schalbe Pub: Thomson Learning.
2. CMM in practice by Pankaj Jalote Pub Addison Wesley.

Reference Books:

3. Software Engineering A Practitioner's Approach, By Roger Pressman, Pub McGrawHill

INSTITUTE OF MANAGEMENT STUDIES

M.B.A. 2 Year Component of 5 Year Integrated MBA (e-Commerce)

Batch (2017- 2019)
Semester II

Subject Name	**Software Quality Assurance**	Subject Code	ME806
		Total Credits	03

Subject Nature: CORE

Course Objective:

The objective of the course is to make the students updated about the software quality policy and process. The syllabus also covers the software testing methods and tools.

Learning Outcome:

At the end of the semester students should be able to get the knowledge of software quality policy and software testing methods tools and techniques.

Examination scheme:

The semester examination is worth 60marks and 40marks for internal assessment. Students will have to answer five questions out of 7/8 questions

Course Contents		
UNIT –1 **Introduction**	1.1 Software Quality Assurance 1.2 Software Models 1.3 Software Life Cycle 1.4 Testing Life Cycle.	08
Unit-2 **Types of Testing**	2.1 Software Testing 2.2 Scope 2.3 Importance of testing; Types of Functional Testing like- Static & Dynamic testing, black box & white box testing. Unit, Integration, System, Acceptance, Alfa, Beta, Positive, Negative, Ad-hoc and Monkey testing 2.4 Understanding basics of performance, Stress, scalability, capacity and load testing	09

Unit-3 **Planning**	3.1 Planning test efforts 3.2 Test plan contents, designing, documenting and tracking test cases.	**02**
Unit- 4 **Testing**	4.1 Testing for currency, time zone, language specific and localization. (Practice on an example application) 4.2 User interface, UI standards & guidelines 4.3 Browser based variations (Practice on an example application with IE) 4.4 Testing of software on different platforms 4.5 Software testing for interaction with other applications, (Practice on Windows), Root Cause Analysis, Basic DB concepts and testing specific DB topics.	**06**
Unit -5 **Security**	5.1 Understanding security 5.2 Types of security testing	**05**
Unit-6 **Automation**	6.1Basic Concept of automation 6.2 Tools support for testing 6.3Types of test tools 6.4 Advantages of test tools and Selection of test tools.	**05**
Unit-7 **Bug Tracking**	7.1 Introduction to bug tracking system 7.2 Bug Tracking Tools 7.3 Managing bug cycle 7.4 Prioritizing bugs (Practice with tool)	**05**
Unit -8 **Configuration**	8.1 Understanding configuration management 8.2 Configuration Management Tools 8.3 Installation 8.4 Web server and application server.	**05**
	TOTAL CLASSROOM CONTACT SESSIONS	**45**

Text Books:

1 **Software Engineering – Roger S Pressman**
2 **Ian Sommerville – Software Engineering**

References books:

1   **Systematic Software Testing- by Rick David Craig, Stefan P.Jaskiel**
2. **Software Testing Techniques- by Geoffrey Miller, Scott Loveland, Michael Shannon , Richard Prewitt**

INSTITUTE OF MANAGEMENT STUDIES			
M.B.A. 2 Year Component of 5 Year Integrated MBA (e-Commerce) **Batch (2017- 2019)** **Semester II**			
Subject Name	**J2EE PROGRAMMING**	**Subject Code**	ME807
		Total Credits	**03**
Subject Nature: CORE			
Course Objective: The objective of this course is to provide the students with a conceptual analytical and technical framework of J2EE programming			
Learning Outcome: At the end of the course students should be able to understand about J2EE programming and conceptual analytics of J2EE.			
Examination scheme: **The semester examination is worth 60marks and 40marks for internal assessment. Students will have to answer five questions out of 7/8 questions**			
Course Contents			
UNIT –1 **J2EE Concepts**	1.1 Core J2EE Concepts 1.2 Core J2EE technologies and components 1.3 J2EE application programming model.		**07**
Unit-2 **WEB SERVER AND TOMCAT**	2.1 Introduction to web server/application server 2.2 Deployment of J2EE application on web server. 2.3 Tomcat introduction 2.4 Installation and configuration of tomcat. 2.5 Application Deployment of tomcat.		**08**
Unit-3 **XML Deployment**	3.1 Detailed description of web.xml deployment descriptor.		**05**

Unit- 4 **Directory Structure**	4.1 Directory structure in web.	**04**
Unit -5 **JSP**	5.1 Introduction to JSP (Java Server Pages) 5.2 Static and dynamic pages. 5.3 JSP lifecycle. 5.4 JSP attributes 5.5 JSP action tags 5.6 Sample application	**09**
Unit-6 **Servlet**	6.1 Introduction 6.2 Configuration of a servlet on a web server. 6.3 Difference between JSP and servlet. 6.4 Servlet lifecycle	**09**
Unit -7 **Application of JSP and Servlets**	A sample application using JSP and Servlet	**03**
	TOTAL CLASSROOM CONTACT SESSIONS	**45**

Text Books:

1. Head first servlet and JSP-by BRIAN BASHAM, KATHY SIERRA and BERT RATES.

2. Sams teach yourself java JSP in 21 days.

Reference Books:

Pure JSP: Java server pages by JAMES GOODWILL,SAMS

INSTITUTE OF MANAGEMENT STUDIES			
M.B.A. 2 Year Component of 5 Year Integrated MBA (e-Commerce)			
Semester II			
Semester II			
Subject Name	**Common Architecture in Java**	**Subject Code**	ME808
		Total Credits	**03**
Subject Nature: CORE			
Course Objective: • To expose the students to the different functions performed by managers, the roles they have to perform for those functions , and the knowledge and skills they have to develop for the roles through real life examples and cases; • To provide the necessary foundation for all other courses based on management practices across the world			
Learning Outcome: At the end of the course students should be able to; 1. Understand most useful, important and common design patterns in Java. 2. Identify the most suitable design pattern to address a given application design problem. 3. Apply model-view-controller architectural pattern.			
Examination scheme: The faculty member will award internal marks out of 40 based on three assessments of 20 marks each of which best two will be considered. The end semester examination will be worth 60 marks having theory and cases/practical problems.			

Course Contents		Class Room Contact Sessions
UNIT –I Introduction to Design Patterns	**1.1** Common Structure, Java Editions, Java Architectural Stack and Code Execution Process **1.2** Common Architectural Goals, JVM architecture **1.3** Design Patterns: History, Overview, Need, Basic structure of design patterns, Benefits, Types of design patterns **1.4** Creational, Structural, Behavioral: Singleton, Adapter, Observer, (Implementation and real life examples) **1.5** JAR, WAR, EAR	**10**

Unit-2 **Introduction to** **Frameworks**	**2.1** Software Frameworks, Need for using frameworks **2.2** J2EE architecture, Open source J2EE frameworks **2.3** Classification and Features **2.4** Comparative analysis of design patterns and frameworks	**10**
Unit-3 **Model View** **Controller**	**3.1** Introduction, Idea behind MVC pattern **3.2** Benefits of separation, Implementation examples **3.3** Benefits of MVC pattern	**08**
Unit- 4 **Web** **Application** **Frameworks**	**4.1** J2EE and .NET frameworks comparative analysis **4.2** Web Development Frameworks **4.3** Web Application Frameworks Types **4.4** Introduction to Struts	**09**
Unit -5 **Struts**	**5.1** Working of the Struts Framework and Architecture libraries **5.2** Benefits, Action Servlets Class, Action Form Class, Action Class **5.3** Struts Tag Libraries **5.4** Validation in Struts **5.5** Introduction to concept of Hiber nate	**08**
	TOTAL CLASSROOM CONTACT SESSIONS	**45**

Learning Resources:
Text Books:
1. Head First Design Patterns- Eric Freeman & Elizabeth Freeman with Kathy Sierra & Bert Bates
2. Design patterns- Elements of Reusable Object-Oriented Software- Gamma, Helm, Jhonson, vlissides
3. Java EE Patterns- Adam Bien

Reference Books:

Struts Survival Guide- Shrikanth Shenoy

INSTITUTE OF MANAGEMENT STUDIES			
M.B.A. 2 Year Component of 5 Year Integrated MBA (e-Commerce) **Batch (2017- 2019)** **Semester II**			
Subject Name	**VB.NET Programming**	**Subject Code**	ME809
		Total Credits	**03**

Subject Nature: CORE

Course Objective:

The objective of this course is to provide the students basic knowledge of VB.NET application development special reference to e-commerce.

Learning Outcome:

At the end of the semester the student should be able to get the knowledge of VB.NET Programming and application development.

Examination scheme:

The semester examination is worth 60marks and 40marks for internal assessment. Students will have to answer five questions out of 7/8 questions

Course Contents		
UNIT –1 **Introduction To Dot net Framework**	1.1 What is Dot net framework 1.2 Base Class Libraries 1.3 Common Language Runtime	**08**
Unit-2 **Introduction to Windows Application**	2.1 Creating the Windows Form using the Windows Form Designer 2.2 Implement navigation for the user Interface 2.3 Language Basics 2.4 Coding Standards 2.5 Debugging your application	**10**
Unit-3 **Working With Controls**	3.1 Introduction to controls available for windows application 3.2 Add Controls To Windows Forms 3.3 Validate User Input 3.4 Error Handling 3.5 Object Oriented Programming implementation	**09**

Unit- 4 **Using Data in Windows Forms Applications**	4.1 Introduction to ADO.net Architecture 4.2 ADO.net Components 4.3 Accessing the data using ADO.net	**09**
Unit -5 **Deploying Windows Forms Applications**	5.1 Plan the Deployment for windows based application 5.2 Creating the setup program to install the application 5.3 Deploy the windows based application	**09**
	TOTAL CLASSROOM CONTACT SESSIONS	**45**

Text Book:

   1. VB.Net (Beginners) Wrox Publication
   2. VB.Net (Professional) Wrox Publication
   References book :

   1. VB.Net Black Book
   2. VB.Net By Microsoft press

INSTITUTE OF MANAGEMENT STUDIES			
M.B.A. 2 Year Component of 5 Year Integrated MBA (e-Commerce) **Batch (2017- 2019)** **Semester II**			
Subject Name	**SQL Server**	**Subject Code**	ME810
		Total Credits	**03**
Subject Nature: CORE			
Course Objective: The objective of the course is to provide the students with a conceptual, analytical & Technical framework of SQL Server with current version.			
Learning Outcome: At the end of the semester the student should be able to analyze the framework of SQL server with its conceptual and technical knowledge.			
Examination scheme: **The semester examination is worth 60marks and 40marks for internal assessment. Students will have to answer five questions out of 7/8 questions**			
Course Contents			
Unit –1 **Introduction to SQL server**	1.1 Introduction to plan SQL Server installation 1.2 Install an instance of SQL Server.		**08**
Unit-2 **SQL server in an Enterprise network**	2.1 Manage files and databases, including determining resource requirements. 2.2 Choose a login security method, 2.3 configure login security, plan and implement database permissions, 2.4 describe how to help protect SQL Server in an enterprise network.		**08**
Unit-3 **Administrative**	3.1 Perform and automate administrative tasks 3.2 Create custom administrative tools. 3.3 Back up databases and implement a backup strategy.		**09**

Tools	3.4 Restore databases	
Unit- 4 **SQL server performance**	Monitor and optimize SQL Server performance.	**06**
Unit -5 **Transferring Data in SQL – I**	Transfer and migrate data into databases. Maintain the high availability of SQL server.	**08**
Unit-6 **Transferring Data in SQL - II**	Replication of data from one SQL Server to another.	**07**
TOTAL CLASSROOM CONTACT SESSIONS		**45**

Text Books:

1. SQL server by Microsoft general press
2. Wrox publication on SQL server

Reference Books:

Learn SQL server in 21 days.