

## Lesson Plan

Name of the Assistant/ Associate Professor... Manoj Kumar  
 Class and Section... BCA 3<sup>rd</sup> year (6<sup>th</sup> sem.)  
 Subject: E-commerce (BCA-306)

Week	Date	Topics
1	1-Jan-18	Electronic Commerce
	2-Jan-18	Overview of E-commerce
	3-Jan-18	Scope of E-commerce
	4-Jan-18	Continue Scope of E-commerce
	5-Jan-18	Traditional Commerce
	6-Jan-18	Traditional vs. E-commerce
	7-Jan-18	Sunday
2	8-Jan-18	Impact of E-commerce
	9-Jan-18	Electronic markets
	10-Jan-18	Internet Commerce
	11-Jan-18	e-commerce in perspective
	12-Jan-18	Application of E-commerce
	13-Jan-18	Application of E-commerce indirect
	14-Jan-18	Sunday
3	15-Jan-18	Continue topic of application
	16-Jan-18	Obstacles in adopting E-commerce
	17-Jan-18	Continue topic of obstacles
	18-Jan-18	Continue topic of obstacles
	19-Jan-18	Advantages of E-commerce
	20-Jan-18	Disadvantages of E-commerce
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	Use of E-commerce in daily-life
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Future of E-commerce
	26-Jan-18	Republic Day
	27-Jan-18	Future of E-commerce
	28-Jan-18	Sunday
5	29-Jan-18	Assignment work
	30-Jan-18	Assignment work
	31-Jan-18	Assignment work

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## Lesson Plan

Name of the Assistant/ Associate Professor.. Manoj Kumar.....

Class and Section:.. BCA 6<sup>th</sup> s.e.m. (3<sup>rd</sup> year)..

Subject:.. E-commerce (BCA-306).....

Week	Date	Topics
1	1-Mar-18	Guru Ravidas Birthday
	2-Mar-18	Holi
	3-Mar-18	Implementing Security of E-commerce
	4-Mar-18	Sunday
2	5-Mar-18	Protecting E-commerce assets
	6-Mar-18	Protecting Intellectual property
	7-Mar-18	Protecting client computers
	8-Mar-18	Continue topic of client computer
	9-Mar-18	protecting E-commerce channels
	10-Mar-18	Continue topic of channels
	11-Mar-18	Sunday
3	12-Mar-18	Insuring Transaction integrity
	13-Mar-18	Continue Insuring transaction
	14-Mar-18	Protecting the Commerce Server
	15-Mar-18	Protecting topic continue..
	16-Mar-18	Electronic payment system
	17-Mar-18	Electronic cash
	18-Mar-18	Sunday
4	19-Mar-18	Electronic wallets
	20-Mar-18	Continue topic e-wallets
	21-Mar-18	smart card
	22-Mar-18	Use of smart card.
	23-Mar-18	plastic card, use of plastic card.
	24-Mar-18	Difference b/w plastic & smart card.
	25-Mar-18	Sunday/ Ram Navami
	26-Mar-18	credit card vs plastic card
5	27-Mar-18	Importance & advantage & Disadvantages
	28-Mar-18	of various cards.
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Credit & charge card.
	31-Mar-18	Assignment work

## Lesson Plan

Name of the Assistant/ Associate Professor.....Mina Kumari.....

Class and Section:.....BCA 3<sup>rd</sup> year (6<sup>th</sup> sem).....

Subject:.....E-commerce (BCA-306).....

Week	Date	Topics
1	1-Feb-18	Value chain in electronic commerce
	2-Feb-18	Supply chain in E-commerce
	3-Feb-18	Porter's value chain model
	4-Feb-18	Sunday
2	5-Feb-18	Continue topic of porter's value
	6-Feb-18	Inter organizational value chains
	7-Feb-18	Strategic Business unit chains
	8-Feb-18	Industry value chains
	9-Feb-18	Continue topic of Industry chains
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	Security threats to E-commerce
	13-Feb-18	Maha Shivratri
	14-Feb-18	Security overview of E-commerce
	15-Feb-18	Protecting E-commerce, computer security
	16-Feb-18	Copyright & Intellectual property
	17-Feb-18	Security policy
	18-Feb-18	Sunday
	4	19-Feb-18
20-Feb-18		Intellectual property threats
21-Feb-18		E-commerce threats
22-Feb-18		Client threats
23-Feb-18		Communication channel threats
24-Feb-18		Communication channel threats
25-Feb-18		Sunday
5		26-Feb-18
	27-Feb-18	Assignment work
	28-Feb-18	Assignment work

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## Lesson Plan

Name of the Assistant/ Associate Professor... Manoj Kumar.....

Class and Section: ... BCA 3<sup>rd</sup> year (6<sup>th</sup> sem).....

Subject: ... E-commerce (BCA-306).....

Week	Date	Topics
1	1-Apr-18	Sunday
	2-Apr-18	Business to Business E-commerce
	3-Apr-18	Types of E-commerce, E2B, E2C, E2G
	4-Apr-18	Inter-organizational transitions
	5-Apr-18	Credit transaction trade cycle
	6-Apr-18	Variety of transaction
	7-Apr-18	Electronic data interchange
	8-Apr-18	Sunday
2	9-Apr-18	Introduction to EDI
	10-Apr-18	Benefits of EDI
	11-Apr-18	EDI technology
	12-Apr-18	EDI standard
	13-Apr-18	EDI Communication
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi
	15-Apr-18	Sunday
3	16-Apr-18	EDI implementation
	17-Apr-18	EDI agreement
	18-Apr-18	Parashurama Jayanti
	19-Apr-18	EDI Security
	20-Apr-18	Revision on electronic-commerce
	21-Apr-18	Revision on strategic Business Unit chain
	22-Apr-18	Sunday
4	23-Apr-18	Revision on security policy
	24-Apr-18	Revision on client thread
	25-Apr-18	Revision on protecting E-commerce assets
	26-Apr-18	Revision on electronic payment system
	27-Apr-18	Revision on EDI
	28-Apr-18	Revision on security

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## Lesson Plan

Name of the Assistant/ Associate Professor.. Manoj Kumar.....

Class and Section. BCA 3<sup>rd</sup> year (6<sup>th</sup> sem).....

Subject: Object technologies & programming using Java

Week	Date	Topics
1	1-Jan-18	Paradigms of programming Languages
	2-Jan-18	Evaluation of Object oriented methodology
	3-Jan-18	Basic concept of object oriented approach
	4-Jan-18	Objects & classes, Data abstraction &
	5-Jan-18	Encapsulation, Inheritance, Polymorphism
	6-Jan-18	Compile time & Runtime mechanism
	7-Jan-18	Sunday
2	8-Jan-18	Comparison of oop & Pop
	9-Jan-18	Benefits of Oops
	10-Jan-18	Applications of Oops.
	11-Jan-18	Java History, Java features
	12-Jan-18	Java & internet
	13-Jan-18	class & objects, Java & WWW
	14-Jan-18	Sunday
	3	15-Jan-18
16-Jan-18		Encapsulation feature
17-Jan-18		Inheritance feature of Java
18-Jan-18		Hardware & software Requirement
19-Jan-18		Java support systems
20-Jan-18		Java Environment
21-Jan-18		Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	Method overriding
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Function overriding
	26-Jan-18	Republic Day
	27-Jan-18	Polymorphism in Java
	28-Jan-18	Sunday
5	29-Jan-18	Continue topic of polymorphism
	30-Jan-18	Assignment work
	31-Jan-18	Assignment work

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## Lesson Plan

Name of the Assistant/ Associate Professor... Manoj Kumar.....

Class and Section: BCA 3<sup>rd</sup> year (6<sup>th</sup> sem).....

Subject: Object technologies & programming using Java

Week	Date	Topics
1	1-Feb-18	Introduction to Java
	2-Feb-18	Compiled & Interpreted, Platform/Independent
	3-Feb-18	object oriented, Robust/secure, Distributed
	4-Feb-18	Sunday
2	5-Feb-18	Java Virtual machine
	6-Feb-18	Java program structure - Documentation <span style="float: right;">Section</span>
	7-Feb-18	Java token - Keywords, identifier, literals,
	8-Feb-18	Java character - set, operators, separators
	9-Feb-18	Java statements, installing & configuring Java
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	Primitive data type, variables, Rules of variable
	13-Feb-18	Maha Shivratri
	14-Feb-18	Java operators - Assignment, Arithmetic, Increment
	15-Feb-18	Java statements & array
	16-Feb-18	Class & object, class fundamental, creating
	17-Feb-18	object, Assigning object reference variables
	18-Feb-18	Sunday
4	19-Feb-18	Introducing methods, static method, static class
	20-Feb-18	Constructors, copy, static, method overriding
	21-Feb-18	Overloading Constructors, this keyword
	22-Feb-18	Argument passing, Returning object
	23-Feb-18	Method overriding
	24-Feb-18	Garbage Collection, The Finalize() method
	25-Feb-18	Sunday
	5	26-Feb-18
27-Feb-18		Continue topic of inheritance
28-Feb-18		Access Control

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## Lesson Plan

Name of the Assistant/ Associate Professor... Manoj Kumar.....

Class and Section: BCA 3<sup>rd</sup> year (6<sup>th</sup> sem)..

Subject: Object oriented & programming Using Java..

Week	Date	Topics
1	1-Mar-18	Guru Ravidas Birthday
	2-Mar-18	Holi
	3-Mar-18	Multilevel inheritance, method overriding
	4-Mar-18	Sunday
2	5-Mar-18	Abstract classes, polymorphism, Final keyword
	6-Mar-18	Assignment work on Java.
	7-Mar-18	Defining package, classpath
	8-Mar-18	Packing naming, Java API
	9-Mar-18	Naming Conventions, creating Package
	10-Mar-18	Accessing a package, using package
	11-Mar-18	Sunday
3	12-Mar-18	Implementing interfaces
	13-Mar-18	Interface & abstract classes
	14-Mar-18	Extends & implements together
	15-Mar-18	Exceptions Handling
	16-Mar-18	Exception, threads, Bugs, error
	17-Mar-18	Handling of Exceptions.
	18-Mar-18	Sunday
	4	19-Mar-18
20-Mar-18		Using try-catch block.
21-Mar-18		Catching multiple Exception
22-Mar-18		Continue topic multiple Exception
23-Mar-18		Using finally clause.
24-Mar-18		Types of Exceptions
25-Mar-18		Sunday/ Ram Navami
5		26-Mar-18
	27-Mar-18	Continue throwing Exceptions
	28-Mar-18	Writing Exception subclasses.
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Assignment work
	31-Mar-18	Assignment work

## Lesson Plan

Name of the Assistant/ Associate Professor: Manoj Kumar

Class and Section: BCA 3<sup>rd</sup> year (6<sup>th</sup> sem)

Subject: Object technologies & programming using Java

Week	Date	Topics
1	1-Apr-18	Sunday
	2-Apr-18	Introduction multithreading
	3-Apr-18	The main thread
	4-Apr-18	Java thread model, Thread priorities
	5-Apr-18	synchronization in java, interthread comm.
	6-Apr-18	I/O Basics, stream & stream classes
	7-Apr-18	The predefined streams
	8-Apr-18	Sunday
2	9-Apr-18	Reading from, & writing to
	10-Apr-18	Console Reading & writing files.
	11-Apr-18	The transient & volatile modifiers
	12-Apr-18	Using instance of Native mtd. Fundamental of
	13-Apr-18	char. & string, The string class, string operations
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi
	15-Apr-18	Sunday
3	16-Apr-18	Data conversion using value of () mtd.
	17-Apr-18	String Buffer class & methods.
	18-Apr-18	Parashurama Jayanti
	19-Apr-18	Assignment work
	20-Apr-18	Revision on OOD features.
	21-Apr-18	Revision on mtd overriding.
	22-Apr-18	Sunday
4	23-Apr-18	Revision on Data types
	24-Apr-18	Revision on Garbage collection
	25-Apr-18	Revision on inheritance
	26-Apr-18	Revision on Exception handling
	27-Apr-18	Revision on package
	28-Apr-18	Revision Data conversion

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## Lesson Plan

Name of the Assistant/ Associate Professor... SHIV KUMAR.....  
 Class and Section... BCA VI<sup>TH</sup> Sem......  
 Subject: Artificial Intelligence.....

Week	Date	Topics
1	1-Jan-18	Introduction to AI: Definition, Basics of AI.
	2-Jan-18	AI influence on Comm <sup>n</sup> . Systems
	3-Jan-18	Timeline of Telecom. related Tech. AI- Related Tech.
	4-Jan-18	Timeline (Event A) of AI events, Modern Digital Comm <sup>n</sup> .
	5-Jan-18	Building intelligent Comm <sup>n</sup> . Systems.
	6-Jan-18	History of- AI, Problems of AI, Branches.
	7-Jan-18	Sunday
2	8-Jan-18	Applications of AI; Perception, Robotics.
	9-Jan-18	; MLP, Planning, Expert Sys <sup>m</sup> ; Machine Learning.
	10-Jan-18	; Theorem Proving, Game Playing, Symbolic Maths.
	11-Jan-18	Underlying Assumption of- AI
	12-Jan-18	AI Tech. ; 1) Tic-Tac-Toe 2) Ques. Answering.
	13-Jan-18	Level of- AI Model, Criteria for success.
	14-Jan-18	Sunday
3	15-Jan-18	Problem Building a system; AI-General Problem Solving.
	16-Jan-18	Definition: Problem, Problem Solving.
	17-Jan-18	State space search, Water jug problem.
	18-Jan-18	Production system: its characteristics.
	19-Jan-18	Search Algo: Heuristic/uninformed/informed
	20-Jan-18	Heuristic Search Technique, characteristics.
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	Issues in Design of search problem.
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Generate and Test; Hill climbing.
	26-Jan-18	Republic Day
	27-Jan-18	Best-First-Search.
	28-Jan-18	Sunday
5	29-Jan-18	Problem reduction.
	30-Jan-18	Constraint- satisfaction.
	31-Jan-18	Assignment work on above topics.

*Shiv Kumar*

## Lesson Plan

Name of the Assistant/ Associate Professor.....

Class and Section:.....

Subject:.....

Week	Date	Topics
1	1-Feb-18	Knowledge Representation: Def <sup>n</sup> . importance.
	2-Feb-18	Knowledge Representation and Mapping
	3-Feb-18	Framework of Knowledge Representation.
	4-Feb-18	Sunday
2	5-Feb-18	Representation of facts.
	6-Feb-18	Approaches to Knowledge Representation:
	7-Feb-18	1) Properties for Knowledge Representation System.
	8-Feb-18	2) Simple Relational Knowledge.
	9-Feb-18	Issues in Knowledge Representations
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	important attributes and attributes relations
	13-Feb-18	Maha Shivratri
	14-Feb-18	Granularity, Representation of Set of Objects
	15-Feb-18	Find Right structure. Feme Problem.
	16-Feb-18	Using Predicate Logic: Basics of Logics.
	17-Feb-18	Type of Logic: ① Propositional ② Predicate.
	18-Feb-18	Sunday
	4	19-Feb-18
20-Feb-18		Semantic, inference procedure.
21-Feb-18		Representing instances: Predicate, Example
22-Feb-18		Predicate Logic expression, Predicate Logic Quantifiers
23-Feb-18		Representing is-a Relationship
24-Feb-18		Computable functions and predicates
25-Feb-18		Sunday
5	26-Feb-18	Resolution: Algo. Convert to Clausal form
	27-Feb-18	Order of Resolution.
	28-Feb-18	Assignment on above topics.

## Lesson Plan

Name of the Assistant/ Associate Professor.....

Class and Section:.....

Subject:.....

Week	Date	Topics
1	1-Mar-18	Guru Ravidas Birthday
	2-Mar-18	Holi
	3-Mar-18	Natural Language Processing: Introduction
	4-Mar-18	Sunday
2	5-Mar-18	Problem of- MLP, Syntactic, Semantic Analysis.
	6-Mar-18	Pragmatic Analysis. Steps in the process.
	7-Mar-18	Chomsky's Hierarchy, Type of Grammars
	8-Mar-18	Discourse Processing
	9-Mar-18	Learning: Introduction to Learning.
	10-Mar-18	Rote Learning (Types of Learning).
	11-Mar-18	Sunday
3	12-Mar-18	Learning by taking advice
	13-Mar-18	Learning by problem solving.
	14-Mar-18	Learning from example; induction
	15-Mar-18	Learning: Explanation-Based Learning.
	16-Mar-18	Discovery: Theory driven discovery
	17-Mar-18	Data driven discovery.
	18-Mar-18	Sunday
4	19-Mar-18	Analogy Learning.
	20-Mar-18	Methods of- Analogy Learning.
	21-Mar-18	Transformational Analogy Learning
	22-Mar-18	Derivational Analogy Learning.
	23-Mar-18	Case-Based Reasoning Learning.
	24-Mar-18	Features of CBR Analogy Learning.
	25-Mar-18	Sunday/ Ram Navami
5	26-Mar-18	Neural Net Learning
	27-Mar-18	Genetic Learning
	28-Mar-18	Difference b/w Neural/ Genetic Learning
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Difference b/w (Discovery) Rote Learning.
	31-Mar-18	Assignment based on above topics

## Lesson Plan

Name of the Assistant/ Associate Professor.....

Class and Section:.....

Subject:.....

Week	Date	Topics
1	1-Apr-18	Sunday
	2-Apr-18	Introduction to expert- System.
	3-Apr-18	Expert system Components & Human Interfaces.
	4-Apr-18	• Component and interfaces.
	5-Apr-18	• Role of individuals who interact with system.
	6-Apr-18	• Domain expert, Knowledge engineer, user
	7-Apr-18	• Expert System shells
	8-Apr-18	Sunday
2	9-Apr-18	Characteristics of Expert System
	10-Apr-18	Features of Expert System.
	11-Apr-18	Goal driven Reasoning, Uncertainty
	12-Apr-18	Data Driven Reasoning. Data Representation
	13-Apr-18	User interface, Explanations.
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi
	15-Apr-18	Sunday
3	16-Apr-18	Knowledge Acquisition, issues.
	17-Apr-18	Techniques for Knowledge Acquisition
	18-Apr-18	Parashurama Jayanti
	19-Apr-18	Knowledge Base, Semantic Net, Frames, Memory
	20-Apr-18	<del>Knowledge</del> Inference Engine, Expert system shells
	21-Apr-18	<del>Knowledge</del> Component of shell. App <sup>n</sup> of shell.
4	22-Apr-18	Sunday
	23-Apr-18	Revision Heuristic Search Tech. and Types.
	24-Apr-18	Revision Knowledge Representation.
	25-Apr-18	Revision Predicate Logic, MLP
	26-Apr-18	Revision Type of Learning.
	27-Apr-18	Revision Introduction to shell
	28-Apr-18	Revision Expert System.