New Horizon College of Engineering, Bangalore Autonomous College affiliated to VTU, Accredited by NAAC with 'A' Grade & NBA

Makeup Examinations Jan 2020

WEB TECHNOLOGIES

ion: 3 hrs		Max	. Marks: 100
Answer five full questions choosing one complete question from each Module 1	mod	ule.	
Explain with a HTML5 document how to create a form with Employee Name, Password, Email and a Submit button. The Form should also contain a drop down menu for the Department.	5	L2	CO1
List the two HTTP Phases and state various methods and status codes of HTTP	10	LI	COI
Analyze the purpose of MIME type in request/response transactions, with example	5	L4	COI
Explain with a HTML5 program how to create a form with Student Name, Email and a video. The Form should also contain a navigation bar	5	L2	COI
Describe with a diagram the Domain name conversion on the web	10	L1	CO1
Make distinction between Web Server Operations and characteristics. Module 2	5	L4	COI
Recommend a XHTML page design to create 4 short paragraphs of text with the following 3 styles p1,p2 and p3:	5	L5	CO2
-p1 style must use left and right margins of 20 pixels, background color of red.			
-p2 style must use font size of 25 points and italic, foreground color of blue.			
p3 style must use a text indent of 1 cm and a margin of 25 pixels. Text must be underlined.			
The First and the third paragraphs must use p1 style, 2nd paragraph must use p2 style and the 4th paragraph must use p3			
Explain with examples different selector forms in Cascading Style sheet.	10	L2	CO2
Describe how 2 images can be floated around a paragraph on the left and the right side.	5	L1	CO2
OR			
How would you create a table with student information viz name, usn and subject using XHTML? Insert values for each student in rows (consider 2 students). Row background of each student should be in different color. The Table should have a dashed border with thickness of 5 pixels.	5	L5	CO2
Explain with examples different levels of style sheet in Cascading Style sheet.	10	L2	CO2
Draw a neat diagram of the Box Model and explain border, margin and padding.	5	Ll	CO2
Module 3			
Compare the Push() and Pop() method of an array with an example.	5	L4	CO3
	Answer five full questions choosing one complete question from each Module 1 Explain with a HTML5 document how to create a form with Employee Name, Password, Email and a Submit button. The Form should also contain a drop down menu for the Department. List the two HTTP Phases and state various methods and status codes of HTTP Analyze the purpose of MIME type in request/response transactions, with example OR Explain with a HTML5 program how to create a form with Student Name, Email and a video. The Form should also contain a navigation bar Describe with a diagram the Domain name conversion on the web Make distinction between Web Server Operations and characteristics. Module 2 Recommend a XHTML page design to create 4 short paragraphs of text with the following 3 styles p1,p2 and p3: -p1 style must use left and right margins of 20 pixels, background color of redp2 style must use left and right margins of 20 pixels, background color of blue. p3 style must use a text indent of 1 cm and a margin of 25 pixels. Text must be underlined. The First and the third paragraphs must use p1 style, 2nd paragraph must use p2 style and the 4th paragraph must use p3 Explain with examples different selector forms in Cascading Style sheet. Describe how 2 images can be floated around a paragraph on the left and the right side. OR How would you create a table with student information viz name, usn and subject using XHTML? Insert values for each student in rows (consider 2 students) . Row background of each student should be in different color. The Table should have a dashed border with thickness of 5 pixels. Explain with examples different levels of style sheet in Cascading Style sheet. Draw a neat diagram of the Box Model and explain border, margin and padding. Module 3	Answer five full questions choosing one complete question from each mod Module 1 Explain with a HTML5 document how to create a form with Employee Name, Password, Email and a Submit button. The Form should also contain a drop down menu for the Department. List the two HTTP Phases and state various methods and status codes of HTTP Analyze the purpose of MIME type in request/response transactions, with example OR Explain with a HTML5 program how to create a form with Student Name, Email and a video. The Form should also contain a navigation bar Describe with a diagram the Domain name conversion on the web 10 Make distinction between Web Server Operations and characteristics. Module 2 Recommend a XHTML page design to create 4 short paragraphs of text with the following 3 styles p1,p2 and p3: -p1 style must use left and right margins of 20 pixels, background color of redp2 style must use a text indent of 1 cm and a margin of 25 pixels. Text must be underlined. The First and the third paragraphs must use p1 style, 2nd paragraph must use p2 style and the 4th paragraph must use p3 Explain with examples different selector forms in Cascading Style sheet. Describe how 2 images can be floated around a paragraph on the left and the right side. OR How would you create a table with student information viz name, usn and subject using XHTML? Insert values for each student in rows (consider 2 students). Row background of each student should be in different color. The Table should have a dashed border with thickness of 5 pixels. Explain with examples different levels of style sheet in Cascading Style sheet. Draw a neat diagram of the Box Model and explain border, margin and padding. Module 3	Answer five full questions choosing one complete question from each module. Module 1 Explain with a HTML5 document how to create a form with Employee Name, Password, Email and a Submit button. The Form should also contain a drop down menu for the Department. List the two HTTP Phases and state various methods and status codes of HTTP 10 L1 Analyze the purpose of MIME type in request/response transactions, with 5 L4 example OR Explain with a HTML5 program how to create a form with Student Name, 5 L2 Email and a video. The Form should also contain a navigation bar Describe with a diagram the Domain name conversion on the web 10 L1 Make distinction between Web Server Operations and characteristics. 5 L4 Module 2 Recommend a XHTML page design to create 4 short paragraphs of text with the following 3 styles pl,p2 and p3: -p1 style must use left and right margins of 20 pixels, background color of redp2 style must use left and right margins of 20 pixels, background color of blue. 3 style must use font size of 25 points and italic, foreground color of blue. 3 style must use a text indent of 1 cm and a margin of 25 pixels. Text must be underlined. The First and the 4th paragraphs must use p1 style, 2nd paragraph must use p2 style and the 4th paragraph must use p3 Explain with examples different selector forms in Cascading Style sheet. 10 L2 Describe how 2 images can be floated around a paragraph on the left and the right side. OR How would you create a table with student information viz name, usn and subject using XHTML? Insert values for each student in rows (consider 2 students). Row background of each student should be in different color. The Table should have a dashed border with thickness of 5 pixels. Explain with examples different levels of style sheet in Cascading Style sheet. 10 L2 Draw a neat diagram of the Box Model and explain border, margin and 5 L1 paragraph and padding. Module 3

b)	Design the java script code to Set the different borders for same table based on the user input.	10	L6	CO3
	2006 NFL Divisional Winners			
	American Conference National Conference			
	East New England Patriots Philadelphia Eagles			
	North Baltimore Ravens Chicago Bears			
	West San Diego Chargers Seattle Seahawks			
	Sonth Indianapolis Colts New Orleans Saints			
c)	Evaluate the importance of following object available in JavaScript. List at least 3 methods for each. Math object	5	L5	CO3
	Date Object			
6 a)	Distinguish between shift and unshift method of an array with an example.	5	L4	CO3
b)	Write a HTML document containing a Javascript function to compute the	10	L6	CO3
-0	median of an array of numbers with at least two different data sets.			
c)	Prove the importance of pattern matching while designing a XHTML	5	L5	CO3
	document that collects the USN (the valid format is: A digit from 1 to 4			
	followed by two upper-case characters followed by two digits followed by two			
	upper-case characters followed by three digits; no embedded spaces allowed) of			
	the user. Event handler must be included for the form element that collects this			
	information to validate the input. Messages in the alert windows must be produced when errors are detected.			
	Module 4-			
7a)	Using XHTML, design a document which contain three images, stacked on top	10	L3	CO4
/	of each other, with only enough of each showing. When the mouse cursor is			
	placed over the exposed part of any image, it should rise to the top to become			
	completely visible.			
b)	Create a program which allows the user to drag and drop words to complete a	10	L6	CO4
	short poem using DOM 2 event model.			
	OR			
8 a)	Apply the concept of slow movement element on suitable example.	10	L3	CO4
b)	Create a document that display an image and three buttons. The buttons should be labeled simply 1, 2, and 3. When pressed, each button should change the content of the image to that of different image.	10	L6	CO4
	Module 5			
0 \				
9 a)	Explain the logical internal structure of array in PHP and explain it in detail.	5	L2	CO5,CO6
b)	Demonstrate 3 different types of arrays used in PHP with examples. How database access in PHP is done?.	10	L3	CO5,CO6
c)	OR	5	LI	CO5,CO6
10a)	Which function is used in PHP to set a cookie? Give an example and syntax.	5	L2	CO5,CO6
3338	Apply the database concept of PHP and create a Html form with Name,	10	L3	CO5,CO6
(c		10	10	005,000
0)	Address Line 1, Address Line 2, and E-mail text fields. On submitting store			
b)	Address Line 1, Address Line 2, and E-mail text fields. On submitting, store the values in MySQL table. Retrieve and display the data based on Name.			

USN			2 1	T Y	-	
						100

New Horizon College of Engineering, Bangalore Autonomous College affiliated to VTU, Accredited by NAAC with 'A' Grade & NBA

Makeup Examination Jan/Feb 2020

SOFTWARE TESTING

Duration: 3 hrs Max. Marks: 100

Answer five full questions choosing one complete question from each module.

	Module 1			
1 a)	State the importance of testing with testing life cycle diagram	5	LI	COI
b)	List the categories of faults based on severity levels	5	LI	CO1
c)	Construct the different features of the SATM by assuming any ten real time ATM	10	L3	COI
	scenarios.			
	OR			
2 a)	Define the following terms	5	Ll	COI
	1)error2)fault 3)failure 4)test 5)incident			
b)	List all the distinct features of specification based testing with Venn diagrams.	5	L1	COI
c)	Illustrate the improved version of next date problem with any 5 test cases.	10	L3	CO1
	Module 2			
3 a)	Explain weak robust and strong robust equivalence class testing with example.	10	L2	CO2
b)	Justify the usage of BVA with functions of two variables and highlight the limitations of BVA.	10	L5	CO2
	OR			
4 a)	Explain the test cases for the triangle problem with respect to decision table based testing.	10	L2	CO2
b)	Justify the idea of equivalence class testing to identify test cases by using one element	10	L5	CO2
	from each equivalence class with commission problem.			
	Module 3			
5 a)	Construct DU paths for stocks, locks, total locks and sales for commission program.	10	L6	CO3
b)	Derive program graph for triangle problem with the help of structured program.	10	L4	CO3
	OR			
6 a)	Predict different test coverage metrics based on program graphs.	10	L6	CO3
b)	Identify the Rapps-Weyuker dataflow coverage metrics with a diagram.	10	L4	CO3
	Module 4			
7a)	Illustrate the mutation technique with suitable mutants.	10	L3	CO5
b)	Examine isLeap method from NextDate and derive the results.	10	L2	CO4
	OR			
8 a)	Classify different types of software reviews.	10	L3	CO5
b)	Identify the different stages of industrial strength inspection process.	10	L2	CO5
	Module 5			
9 a)	Illustrate any five types of locators in selenium	10	L3	CO6
b)	Classify the assertions provided by TestNG.	10	L4	CO6
	OR			
10a)	Show how the selenium web driver is used to perform automation testing with the detailed	10	L3	CO6
1	steps of installation.			
b)	Distinguish TestNG and Junit based on the key features.	10	L4	CO6

USN			T	
1900320				

New Horizon College of Engineering, Bangalore

Autonomous College affiliated to VTU, Accredited by NAAC with 'A' Grade & NBA

Makeup Examinations Jan/Feb 2020 MOBILE APPLICATION DEVELOPMENT

Max. Marks: 100 Duration: 3 hrs Answer FIVE full questions choosing ONE complete question from each module. Module 1 1.2 Explain Android architecture with a neat diagram 1 a) COL L3 Categorize types of sensors b) 14 Identify the basic building blocks of Android c) OR 1.2 2 a) Explain different Android debug tools and profilers COL L3 Classify UI components b) L4 Characterize Android studio project structure c) Module 2 L6 Create a mobile app simple calculator using radio buttons. Write the Java file and draw the layout for 3 a) same CO2 L3 b) Illustrate the uses of Toasts 4 L5 Evaluate the differences between checkboxes and radio buttons c) 16 Create a mobile app Unit convertor using radio buttons. Write the Java file and draw the layout for 4 a) same CO₂ L3 b) Illustrate the uses of Linear layout L5 Evaluate the differences between Date picker and Time picker c) Module 3 1.2 5 a) Explain service life cycle with diagram. CO₃ Analyze the use of various native android actions. L4 b) L6 Develop an application that uses intents in android for a simple application and write the java code. c) L2 6 a) Explain broadcast receivers. CO3 L4 Analyze the use of heads-up and status bar notification in android. b) L6 Develop an application that uses toast notification in android for a simple application and write the c) java code. Module 4 6 L2 7a) Explain the salient features and data definition language of SQLite in android. CO4 L5 Interpret the importance of shared preferences. b) CO5 16 Create an application that displays welcome page if login credentials are correct using SQLite c) database in android and write the java code. OR 1.2 6 8 a) Explain the file system in android. CO4. L5 Justify the importance of content providers. b) CO5 L6 Create an application that stores the customer details of a bank using file in android and write the c) java code. Module 5 1.3 Identify the various steps involved in the process of signing and versioning the application in android. 9 a) CO6 1.5 Justify the importance of location based services in android. b) 6 L4 c) Analyze the different parameters associated with camera for an application in android. OR 13 10a) Identify the various steps involved in the process of using Google pay to distribute and monetize the CO6 application in android. L5 b) Evaluate best practices for security and privacy in android. Analyze the process of alerting SMS to one given phone number in android and write the java code. c)

CSE741

Max. Marks: 100

USN	350					

Duration: 3 hrs

New Horizon College of Engineering, Bangalore Autonomous College affiliated to VTU, Accredited by NAAC with 'A' Grade& NBA

Makeup Examination Jan 2020 FUNDAMENTALS OF DATA SCIENCE

Dura	uon, 5 nrs	viarks	: 100	
	Answer five full questions choosing one complete question from each module	2.		
	Module 1		4.5	harani.
1 a)	What is data? What is data science? How this discipline evolved? Why data science is considered as a necessary domain in this era.	10	L1	CO1
b)	Examine the relevance of the statement "data science is an interdisciplinary field" OR	10	L4	COI
2 a)	Define and describe the following terminologies i) Machine learning ii) Probabilistic Models iii) Statistical Models iv) Exploratory data analysis v) Artificial intelligence	10	L1	CO1
b)	Examine the steps to be followed in order to find the most common keywords people use in their job description. Assume the job descriptions have been scraped from the website indeed.com for companies actively hiring data scientists. Module 2	10	L4	CO1
3 a)	Differentiate with examples the differences between qualitative and quantitative data	10	L4	CO2
103	with proper examples. Analyze the data analysis questions that can be framed for quantitative and qualitative column of a given dataset.	A inte	Prope	10
b)	Interpret the level of measurement being used in each scenario. Give reasons for your findings.	10	L3	CO2
	a) The number of motor-vehicle accidents on a particular stretch of the Pacific Highway in a week.			
	b) Heat measured in degree Celsius.			
	c) Children in elementary school are evaluated and classified as non-readers (0), beginning readers (1), grade level readers (2), or advanced readers (3).			
	d) Your local police force wants to install cameras that can "catch" drivers who run red			
	lights. They choose a busy intersection, install a test camera, and determine whether each car stops safely or "runs" the light.			
	e) The teacher of a class of third graders records the eye color of each student. OR			
4 a)	Compare and contrast with example datasets the four levels of data.	10	L4	CO2
b)	Explain data pre-processing by showing the steps in data pre-processing that can be used on the given tweet "This Wednesday morn, are you early to rise? Then look East. The Crescent Moon joins Venus & Saturn. Afloat in the dawn skies".	10	L3	CO2
	Module 3		1101100	
5 a)	Demonstrate with reasons which of the point estimates and confidence interval methods of inferential statistics is superior.			CO3
b)	A couple has a 25% chance of a having a child with type O blood. Let X is the number of children with type O blood.	10	L3	CO3
	i) Examine the type of random variable X is with proper reasons.			

ii) Examine the chance that 3 of their 5 kids have type O blood. iii) Calculate the expected value and variance of the variable X and state the conclusion OR A start-up team has three investor meetings coming up. We have the following 10 6 a) L3 CO3 probabilities: • 60% chance of getting money from the first meeting 15% chance of getting money from the second • 45% chance of getting money from the third Calculate the probability of them getting money from at least one meeting The number of calls arriving at your call center follows a Poisson distribution at the rate 10 b) CO3 of 5 calls / hour. i) Examine the importance of Poisson random variable ii)Examine the probability mass function, expected value and variance of a Poisson distribution iii) Examine the probability that exactly six calls will come in between 10 and 11 p.m. Module 4 Analyze situations where SVM is used over a Random Forest Machine Learning 10 7a) CO₄ algorithm. Propose K Means Clustering solution for any example. b) 10 L6 CO₄ OR 8 a) Compare the application of regression trees and application of classification trees 10 CO₄ b) Justify that Naïve Bayes Algorithm is a technique that helps to construct classifiers. 10 L6 CO₄ Module 5 9 a) Evaluate line graphs, bar charts and histograms with proper example and diagram L5 10 CO₅ b) Explain the strategy involved in verbal communication 10 L2 CO5 10a) Evaluate correlation and causation with an example 10 L5 CO5 b) Discuss the why / how/ what strategy of presenting **CO5**

New Horizon College of Engineering, Bangalore Autonomous College affiliated to VTU, Accredited by NAAC with 'A' Grade & NBA

Makeup Examination Jan 2020

CYBER CRIME, FORENSICS AND LAW

Durati	ion: 3 hrs	Ma	x. Mark	s: 100
	Answer five full questions choosing one complete question from each mod	ule.		
	Module 1			
1 a)	Who is cybercriminal? How do criminals plan the attack?	5	L1	COI
b)	Summarize the importance of social engineering in cybersecurity	5	L2	CO1
c)	Identify few real time scenarios to demonstrate email bombing.	10	L3	COI
360	OR			
2 a)	What is Cyberstalking? Give examples.	5	LI	COI
b)	Summarize the difference between cybercrime and cyberdefamation	5	L2	COI
c)	Identify the different classifications and categories of Cybercrime.	10	L3	COI
	Module 2			
3 a)	What is phishing? Describe spear phishing.	5	LI	CO2
b)	Summarize on different categories of keyloggers	5	L2	CO2
c)	Identify the characteristics and differences between Virus and Worms, Trojan Horses and Backdoors	10	L3	CO2
	OR			
4 a)	What are Proxy servers and Anonymizers?	5	L1	CO2
b)	Summarize the counter measures of SQL injection attack	5	L2	CO2
c)	Identify the differences and purpose of DoS and DDoS attacks. Also identify the tools used to launch DoS attack	10	L3	CO2
	Module 3			
5 a)	Why do we need cyberlaws from the Indian context? Illustrate the positive aspects and weak areas of IT Act 2000.	10	L3	CO3
b)	Characterize the challenges to Indian law and cybercrime scenario in India. OR	10	L4	CO3
6 a)	Illustrate the impacts of oversights in IT 2000 regarding Digital signatures.	10	L3	CO4
b)	Investigate/justify the impacts of IT Act 2000 amendments on information technology organization.	10	L4	CO4
	Module 4			
7a)	Analyze an email forensics from the investigation point of view.	10	L4	CO5
b)	Justify the different challenges in computer forensics.	5	L5	CO5
c)	Formulate the different steps in computer forensics laboratory.	5	L6	CO5
٠,	OR			
8 a)	Characterize the relevance of OSI 7-layer model to computer forensics.	10	L4	CO5
b)	Justify the requirements for computer forensics.	5	L5	CO5
c)	Compose the relationship between computer forensics and stenography. Module 5	5	L6	CO5
9 a)	Analyze printer, PDA, Scanner and mobile phone forensics.	10	L4	CO6
b)	Justify the hardware and software features of cell phones	5	L5	CO6
c)	Justify the importance of toolkit for handheld device forensics.	5	L6	CO6
c)	OR			
10a)	Identify the use of forensics on a real-life scenario and explain.	10	L4	CO6
b)	Justify the importance of forensics of blackberry wireless device.	5	L5	CO6
c)	Justify the role of computer forensics in litigation.	5	L6	CO6

USN					

New Horizon College of Engineering, Bangalore Autonomous College affiliated to VTU, Accredited by NAAC with 'A' Grade& NBA

Makeup Examination Jan 2020 INTERNET OF THINGS

Duration: 3 hrs Max. Marks: 100

Answer five full questions choosing one complete question from each module.

	Module 1			
1 a)	List and explain the four Evolutionary Phases of the Internet.	5	L1	CO1
b)	Discuss theIoT connected roadways for the Intersection Movement Assist(IMA) concept.	5	L2	CO1
c)	Use oneM2M IoT Standardized Architecture for heterogeneity and Illustrate its main elements with a diagram.	10	L3	CO1
	OR			
2 a)	Write the Distributed Compute and Data Management Across an IoT System	5	L1	COI
b)	Explain the myriad ways to classify smart object	5	L2	COI
c)	Illustrate in detail the Genesis of IOT	10	L3	COI
	Module 2			
3 a)	Explain actuators and its classification	5	L2	CO2
b)	Identify with an example for data aggregation function in a WSNs	5	L1	CO2
c)	Evaluate the different IOT access technologies of the IEEE 802.11ah	10	L4	CO2
	OR			
4 a)	Discuss WSNs with the diagram of design constraints	5	L2	CO2
b)	Write a note on NB-IoT and LTE variations	5	LI	CO2
c)	Identify the different IOT access technologies of the LoRaWAN	10	L4	CO2
	Module 3			
5 a)	Illustrate with a neat block diagram, how to optimize IP for IOT using adaptation Layer.	6	L3	CO3
b)	Illustrate using DNP3 protocol translation to depict a scenario in which legency endpoint is connected across LLN running 6LoWPAN to an IP-capable SCADA server	6	L3	CO3
c)	Identify the raw socket scenarios for tunneling Legacy SCADA over IP network and	8	L4	CO3
	elaborate each scenario with neat diagram			
6 a)	OR Use 6TiSCH architecture to define four schedule management mechanism and three	,	1.2	001
	forwarding models	6	L3	CO3
b)	Illustrate the need for optimization in the constrained nodes	6	L3	CO3
c)	Identify the main factors applicable to IPv4 and IPv6 support in an IoT solution	8	L4	CO3
	Module 4			
7a)	Organize with a neat diagram the architecture of MPP shared nothing.	6	L4	CO4
b)	Illustrate Formal Risk Analysis structures Octave and Fair.	8	L3	CO4
c)	Characterize the Concept of Hadoop	6	L4	CO4
0)	OR			
8 a)	Identify a diagram for Distributed analytics throughout the IoT system	6	L4	CO4
b)	Illustrate Smart grid FAN analytics with Net-Flow example.	8	L3	CO4
c)	Identify and Describe the "Three Vs" to categorize big Data. Module 5	6	L4	CO4
9 a)	Choose an IoT architecture to make Smart Connected environment and Explain in detail	10	L5	CO5
b)	Develop a circuit and write a program for Arduino/ Raspberry Pi to interface LDR OR	10	L6	CO5
10a)	Choose an IoT architecture to make Smart city and Explain in detail	10	L5	CO5
b)	Develop a circuit and write a program for Arduino/\Raspberry Pi to interface Piezo Buzzer		L6	CO5

New Horizon College of Engineering, Bangalore Autonomous College affiliated to VTU, Accredited by NAAC with 'A' Grade& NBA

Makeup Examination Jan 2020

DATA ANALYTICS

Dura	ion. 5 ms		Marks:	100
	Answer five full questions choosing one complete question from each n	10011	e.	
	Module 1			
a)	Explain the different types of Data Analytics	7	L2	CO
)	Illustrate star schema for Microsoft Employee details	7	L3	CO
)	Illustrate fact constellation schema for Microsoft Employee details	6	L3	CO
	OR			
a)	What are all the challenges confronted in Data Analytics	7	L2	CO
)	Illustrate snowflake schema for Amazon -Product details	7	L3	CO
)	Illustrate fact constellation schema forAmazon -Product details	6	L3	CO
	Module 2			
a)	Explain how advanced compression is performed in vertica, with 3 encoding strategies.	6	L2	CO
	Create the following table by properly mentioning the primary key and foreign key constraints. And insert at least five appropriate tuple to each of the table. <u>Unit id and Fruit id</u> are the primary key in Units table and Fruit table respectively. <u>Unitid</u> is the	d		
)	foreign key in the Fruit table	7	L6	CC
	Units(unit d,unitName, DateEntered, DateUpdated)			
	Fruit(Fruit id, Fruitname, Unitid, Price)			
	Solve the following queries and display the output for the data enter in the above tables			
:)	List all fruits with price greater than 100	7	L3	CC
	Enter expiry date for each fruit in fruit table by inserting a column			
	OR			
a)	Explain how massively parallel processing is performed in vertica using a diagram.	6	L2	CC
	Create the following table by properly mentioning the primary key and foreign ke constraints. And insert at least five appropriate tuple to each of the table.	у .		
)	Customer(id, pame, age, address)	7	L6	CC
	Orders(oid, date, customer_id, amount)			
	Solve the following queries and display the output for the data enter in the above tables			
e)	 Find the average order amount placed by each customer. Display only the rows having average amount more than 5000 in the descending order of number of 	7	L3	CC

orders.

 Display the details of a customer and the order if the ordered amount is below 1000.

Module 3

	Module 5			
5 a)	Compare and contrast Replication and Segmentation	6	L4	CO3,CO4
b)	Creating projections manually for a table with 3 column choosing appropriate encoding strategy to implement Replication with ksafe = 1. Explain the output.	7	L3	CO3,CO4
c)	Illustrate how a file can be copied to a vertica database and how error logs can be verified	7	L3	CO3,CO4
	OR			
6 a)	Compare and contrast WOS & ROS	6	L4	CO3,CO4
b)	Creating projections manually for a table with 3 column choosing appropriate encoding strategy to implement Segmentation with ksafe = 0. Explain the output	7	L3	CO3,CO4
c)	Use the Vertica database to merge two tables and validate the output table data.	7	L3	CO3,CO4
	Module 4			
7a)	Illustrate KISSmetrics as a web analytic tool.	6	L3	CO5
b)	How many ways can you evaluate Dashboards?	7	L5	CO5
c)	Investigate Closed Loop model?	7	L4	CO5
	OR OR			
8 a)	Illustrate some of web content problems so that they can be rectified	6	L3	CO5
b)	Recommend web analytical process	.7	L5	CO5
c)	Compare Aquisition Analysis and Behavior Analysis	7	L4	CO5
	Module 5			
9 a)	Analyze different Stages in target marketing strategy development	6	L4	CO6
b)	Use and explain marketing strategy for AVIS-Budget Car Rental	7	L3	CO5
c)	Explain in your own words, how Marketing Analytics is performed.	7	L2	CO5
	OR			
10a)	Compare different segmentation used in market research analysis	6	L4	CO6
b)	Use and explain marketing strategy for Xerox	7	L3	CO6
c)	What are the different methods marking analysis is executed?. Explain	7	L2	CO6