SEMESTER: 7TH   **COURSE NO: IT-703**

COURSE TITLE: DATA BASE APPLICATION & DESIGN

BRANCH: INFORMATION TECHNOLOGY

ASSIGNMENT-1

Date of submission: 03-10-2019   **Max. Marks: 50**

Q1: Outline the method of query optimization in detail.   [10]

Q2: Point out the basic features of join operation? Also create the hash join and merge join Strategies with suitable example.   [10]

Q3: Justify the need of normalization and compare 3rd and BCNF normalization.   [10]

Q4: Evaluate the need of security in database system that are used to ensure the security of the database.   [10]

Q5: Analyse the following concepts-

   a) Sort- join
   b) Nested loop joins   [10]

SEMESTER: 7TH   **COURSE NO: IT-705**

COURSE TITLE: JAVA

BRANCH: INFORMATION TECHNOLOGY

ASSIGNMENT-1

Date of submission: 03-10-2019   **Max. Marks: 50**

Q1.   Compare and contrast between C++ & Java   10

Q2:   Discuss the architecture of JVM (java virtual   10
            machine) with complete description.

Q3:   Develop a program in JAVA to implement dynamic   10
            method dispatch and also show program output.

Q4:   Design a program implement call by reference   10
            method with program output.

Q5:   Design a program in Java to implement the   10
            following concept
            a) Super keyword
            b) Concept of this

BRANCH: INFORMATION TECHNOLOGY
Date of submission: 03-10-2019
COURSE NO: IT-703
COURSE TITLE: SPM
SEMESTER: 7TH
ASSIGNMENT-1
Max. Marks: 100

Ques1: a) What do you understand by software lifecycle? Explain various types of software lifecycle models.
(14)
b) Outline the various software engineering challenges.
(6)

Ques2: a) Determine the role of changing technology and compare it with respect to any organization.
(14)
b) Point out the nation "computer software does not need to evolve over time".   (6)

Ques3: Demonstrate the role of cost estimation in software prefect development. Model it with COCOMO model of cost estimation for all categories of project.
(20)

Ques4: a) Formulate software quality assurance plans & compile it with suitable examples.
(10)
b) List out the various steps for used software product integrity maintenance   by software configuration managementt committee.
(10)

 Ques 5:a)Compare & contrast oral and written technical communication used for software product documentation.   (14)

 b) Distinguish between verification& validation.
 (6)

SEMESTER: 7TH   **COURSE NO: IT-701**

COURSE TITLE: WEB TECH

BRANCH: INFORMATION TECHNOLOGY

ASSIGNMENT-1

DATE OF SUBMISSION: 03-10-2019   **Max. Marks: 50**

Q1. Define Internet. Discuss some of the important   10
     services available through Internet

Q2: Describe the following protocol in detail   10
     i)   HTTP
     ii)   SMTP
     iii)   IMAP

Q3: Outline the features of HTML and also construct a   10
     program in HTML to Add audio & video on webpage.

Q4: Discuss the technology we use in DHTML also   10
     Outline their significance in DHTML application.

Q5: Construct a program in java script to check whether
     the enter number is an Arm strong number or not.
     Take the user input through prompt box & display   10
     result in alert box

ASSIGNMENT NO:2

Course Name: - WT **Course Code: - IT-701**

Date of Issue: **Date of Submission:**

M.Max: 100

		QUESTION	Max.	Marks obtained

Q1.		**Write short notes on**
		     a) **E-commerce**
		     b) **E-business model**
		     c) **Online payment and securuty**		

Q2:	**a)**	**Describe the request and response object in servlets.**		
	b)	**Explain client server architecture in detail.**		
	c)	**Describe client server and multitier model of application development**		
Q3:	**a)**	**What is ASP ? How does ASP work? Mention any 2 features of ASP.**		
	b)	**Explain in brief about exception handling. Discuss its types write examples..**		
Q4:	**a)**	**What is the function quality of JSP? What are the advantages of JSP over various server side programming techniques?**		
	b)	**What are events and events handlers? How are events handled in Java script?**		
Q5:		**Write short notes about**		
	a)	**Servlets**		
	b)	**Client Scripting**		
	c)	**Cookies**		
	d)	**Session Tracking**		
		Total Marks	**100**	