

# **KB INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

## **ASSIGNMENT - 1**

### **3M.Sc(CS): JAVA PROGRAMMING**

**Attempt all question**

**Marks: 25**

- 1) Explain the roles of the JDK (Java Development Kit), the JVM (Java Virtual Machine), and the JRE (Java Runtime Environment) in the process of compiling and running a Java program. How do these three components relate to each other?
- 2) Differentiate between primitive data types and reference data types in Java. Give an example for each, and explain a key conceptual difference in how they store data.
- 3) Describe the basic structure of a simple Java program. What is the significance of the main method, and what purpose does the public static void declaration serve?

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**3M.Sc(CS): LINUX SERVER ADMINISTRATION**

**Attempt all question**

**Marks: 25**

Q1. Explain the following commands- (15)

i) ls ii) mkdir iii) cd iv) mv v) cat

Q2. Explain the disk related commands in Linux. (5)

Q3. Explain the use of shell in Linux. (5)

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## **ASSIGNMENT - 1**

### **3M.Sc(CS): OPERATING SYSTEM**

**Attempt all question**

**Marks: 25**

- 1) Define the essential properties of the following types of operating systems- (10)
  - a) Batch Systems
  - b) Single User
  - c) Time Sharing
  - d) Multi user
  - e) Multiprogramming
- 3) What do you mean by system components? (5)
- 4) What do you understand by System Calls?(5)
- 5) What is the purpose of System Programs?(5)

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## **ASSIGNMENT – 1**

### **3M.Sc(CS): SOFTWARE ENGINEERING**

**Attempt all question**

**Marks: 25**

- 1) What is software? Give its features.
- 2) Explain the characteristics of software.
- 3) Discuss the layers of software engineering.

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**3M.Sc(CS): WEB TECHNOLOGY**

**Attempt all question**

**Marks: 25**

- 1) Write short notes on following- **(10)**
  - a) HTTP
  - b) HTML Tags (any Four)
  - c) HTML Version
- 2) What is WYSIWYG Editor? And also Explain about List. **(5)**
- 3) What is CSS? And also define the different types of css with example. **(10)**

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## **ASSIGNMENT- 1**

### **3M.Sc(CS)4- Computer Lab-3**

**Attempt all the questions**

**Marks: 25**

- 1) Write a Program in Java to Calculate the Simple Interest. (5)**
- 2) Write the appropriate commands for the following tasks- (10)**
  - Create a directory named “student” in the home directory.
  - Create two files named “sample file 1” & “sample file 2” in the “student” directory.
  - Add content in the both the files & then compare the contents of both the files.
- 3) Create an HTML Registration Form using CSS with radio button . (10)**