

BACHELOR OF TECHNOLOGY (C.B.C.S.) (2020 COURSE)
B.Tech.Sem - III CS&E CS&E :SUMMER- 2022
SUBJECT : ITC-I: OBJECT ORIENTED METHODOLOGY

Day : Friday
Date : 3/6/2022

S-24296-2022

Time : 02:30 PM-05:30 PM
Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Assume suitable data wherever necessary.
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Q.1 Describe with suitable example primitive data types of Java. **(10)**

OR

Describe with suitable example decision making statements of Java.

Q.2 Write a program that counts the number of objects created by using static variable. **(10)**

OR

Define the concept of static data members and static methods. Write syntax of it and how it is differ from normal variables and normal methods.

Q.3 Describe the concept of String Buffer class and String Builder class with suitable example. **(10)**

OR

Write program to compare and concatenate two different strings entered by user.

Q.4 Define polymorphism. Describe the types of polymorphism in Java. **(10)**

OR

Write a program to display the record of employee using concept of inheritance.

Q.5 Define multithreading in Java? Explain inter thread communication with help of suitable example. **(10)**

OR

Write an application that shows the usage of try, catch, throw and finally.

Q.6 Describe various advanced swing components with suitable example. **(10)**

OR

Describe various components of containers with suitable example.

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