

BACHELOR OF TECHNOLOGY (C.B.C.S.) (2014 COURSE)
B.Tech.Sem - VII Electronic & Telecommunication : WINTER- 2022
SUBJECT : ADVANCED COMPUTER PROGRAMMING

Day : Thursday

Time : 02:30 PM-05:30 PM

Date : 15-12-2022

W-13374-2022

Max. Marks : 60

N.B

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Assume suitable data If **NECESSARY**.
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Q.1 Write short note on following: (10)
i) Polymorphism ii) Inheritance
iii) Programming paradigms

OR

- a) What is mean by data abstraction and encapsulation? (05)
- b) "Write once run anywhere, anytime forever", justify this statement with respect to Java. (05)

Q.2 Discuss the following features of Java: (10)
i) Multithreaded ii) Compiled and Interpreted
iii) High performance iv) Dynamic and Extensible

OR

- a) Write a Java program to perform following operations on string: (05)
i) To Concat two strings
ii) To Check whether two strings are equal or not.
- b) Discuss the importance of Keyword 'super' in Java with suitable example. (05)

Q.3 What is package? Describe how to create and compile the package with the help of example. (10)

OR

- a) Differentiate between errors and exceptions. (05)
- b) Describe the use of Inputstream and Outputstream for input/output in Java (05)

Q.4 With the help of example describe the following HTML tags: (10)
i) Table ii) Frame iii) Image

OR

- a) Differentiate between Java stand-alone applications and Java applets. (05)
- b) Describe the life cycle of an Applet (05)

Q.5 Give the syntax for following SQL commands and describe them with the help of example. (10)

- i) INSERT ii) DELETE
- iii) UPDATE iv) SELECT

OR

- a) What is the difference between SQL and My SQL? (05)
- b) Discuss the different data models (05)

Q.6 a) Describe the basic components of JDBC. (05)
b) What is the use of Resultset and Metadata (05)

OR

Describe the different implementation types of JDBC drivers. (10)

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