21BSC3C3CSL

B.Sc. III Semester Degree Examination, March/April - 2023

COMPUTER SCIENCE

Paper No. DSC 3 : Object Oriented Programming Concepts and Programming in Java

(NEP)

Time : 2 Hours   Maximum Marks : 60

Note : *Answer* **all** *sections.*

SECTION - A

1. Answer the following sub-questions, each sub-question carries **one** mark.   **10x1=10**

   (a)   What was the first name of Java.

   (b)   Write any four data types used in Java.

   (c)   Define instance variable.

   (d)   Write the general form of concatenate of a string.

   (e)   What is a constructor ?

   (f)   Write the Java API packages.

   (g)   Define Event Handling.

   (h)   Define frame class.

   (i)   What do you mean by Bytestreams ?

   (j)   What is Multithreading ?

SECTION - B

Answer **any four** of the following questions, each question carries **five** marks.

4x5=20

2. Define and listout development tools available in JDK.

3. Write briefly with syntax and an example of Nested if statement.

4. Explain with syntax the class definition.

5. Explain the abstract methods and final methods.

6. Write the general form of implementing an interface and explain.

7. Explain how to Handle Keyboard and Mouse Events.

SECTION - C

Answer **any three** of the following, each question carries **ten** marks.

3x10=30

8. What is a Literal ? Explain the different types in Java with an example.

9. What is an array ? Write a note on two dimensional array with an example.

10. What do you mean by method declaration in a class ? Explain with general syntax.

11. Explain any four AWT package classes.

12. What is an Applet ? Explain the life cycle of an Applet.

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