21BCA2C5OJL

Sl. No.

B.C.A. II Semester Degree Examination, Sept./Oct. - 2024
COMPUTER SCIENCE
DSC3 : Object Oriented Concepts using Java
(NEP)

Time : 2 Hours   Maximum Marks : 60

SECTION - A

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

   1.   (a)   What was the initial name of Java ?

       (b)   Expand JDK and JVM.

       (c)   Define Object.

       (d)   What is the use of finalizer() method in Java ?

       (e)   Which keyword is used to do Inheritance ?

       (f)   Define Dynamic binding.

       (g)   Expand AWT.

       (h)   What is an event ?

       (i)   What is an exception ?

       (j)   Define thread.

SECTION - B

II.   Answer **any four** of the following questions, each question carries **five** marks.   **4x5=20**

   2.   Write the structure of Java Program.

   3.   What is Constructor ? Write the characteristics of Constructor.

   4.   Explain method overriding with an example.

   5.   Write a Java program to draw several shapes in the created window.

   6.   Explain try and catch block in exception handling.

   7.   Explain visibility modifiers.

SECTION - C

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

3x10=30

8. Explain features of Java.

9. Write a note on constructor overloading with an example.

10. What is Inheritance ? Explain different types of Inheritance with an example.

11. Explain different types of GUI components.

12. With a neat diagram, explain life cycle of thread.

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