21BCA2C5OJL

BCA II Semester (NEP) Degree Examination, September/October - 2022
COMPUTER SCIENCE
Object Oriented Concepts using JAVA

Time : 3 Hours   Maximum Marks : 60

SECTION - A

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

    (a) Who developed Java ?

    (b) Expand JVM & JDK.

    (c) What is This reference ?

    (d) Mention types of methods in java.

    (e) What is interface ?

    (f) What is the use of instance of operator ?

    (g) Define Applet.

    (h) What is Check box ?

    (i) Define exception.

    (j) What is a file ?

SECTION - B

Answer **any four** of the following questions, each question carries **5** marks.   **4x5=20**

2. Explain Static/class variable in java.

3. What is Private, Public & Protected ?

4. With example Define Class & Object.

5. What is polymorphism ? How to implement compile time polymorphism.

6. Explain different types of events in Java.

7. Write a short note on exception handling in Java.

SECTION - C

Answer **any three** of the following questions, each question carries **10** marks. **3x10=30**

8. Explain Structure of java program with an example.

9. What is Constructor ? Explain different types of constructor's.

10. (a) Explain method overriding with example.
(b) Explain Single level Inheritance with example.

11. Write a program to draw several shapes in created window.

12. With a neat diagram explain thread life cycle.

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