



DCCA – 202

II Semester B.C.A. Degree Examination, July/August 2024
(NEP Scheme) (Freshers and Repeaters)
COMPUTER APPLICATIONS
Object Oriented Concepts Using Java

Time : 2½ Hours

Max. Marks : 60

Instruction : Answer *all* the Sections.

SECTION – A

I. Answer **any six** questions. **Each** question carries **2** marks.

(6×2=12)

- 1) What is a ternary operator ? Give an example.
- 2) Define object. Give an example.
- 3) Define polymorphism.
- 4) What is an abstract class ?
- 5) What is an event ?
- 6) What is a frame ?
- 7) What is the purpose of button class ?
- 8) What is an InputStream ?
- 9) Define Exception.

SECTION – B

II. Answer **any four** questions. **Each** question carries **6** marks.

(4×6=24)

- 10) Describe the structure of Java program.
- 11) Explain the purpose of “this” keyword with example.
- 12) Differentiate between class and interface.
- 13) Explain applet life cycle model.
- 14) Write a short note on Binary I/O classes.
- 15) Mention the advantages and disadvantages of JavaBeans.

P.T.O.



SECTION – C

III. Answer **any three** questions. **Each** question carries **8** marks.

(3×8=24)

- 16) What is a method overloading ? Write a Java program to add two integers and two float numbers. When no arguments are supplied, give a default value to calculate the sum. Use function overloading.
 - 17) Explain the following :
 - i) default constructor
 - ii) parameterized constructor
 - iii) copy constructor.
 - 18) Demonstrate method overriding with an example.
 - 19) Explain the following :
 - i) Menu class
 - ii) Label class
 - 20) Write a note on the following :
 - i) Random Access File.
 - ii) Implementing runnable interface.
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