

FACULTY OF SCIENCE
B.Sc. (CBCS) V- Semester (Backlog) Examination, June / July 2023
Subject: Computer Science
Paper-V : Programming in Java

Time: 3 Hours

Max. Marks: 80

PART – A

Note: Answer any eight questions.

(8 x 4 = 32 Marks)

1. Write a short note on type conversion with an example.
2. Write in brief about primitive data types in java.
3. Write about Java Essentials.
4. Explain about command-line arguments. Give an example.
5. Write about inner classes in java.
6. Explain how java supports multiple inheritance.
7. What is Synchronization?
8. Write in brief about Scanner class. Give an example.
9. Explain about Thread Priority.
10. Write short note on Event Handling Mechanism.
11. Write about Checkbox, RadioButton components of AWT.
12. Write about JFrame, JApplet of Swing class.

PART – B

Note: Answer all the questions.

(4 x 12 = 48 Marks)

13. a) What is the Structure of java program and explain the creation and execution of it.

(OR)

- b) Discuss about various loops in java along with examples.

14. a) Explain about types of arrays in java . Write a java program to transpose matrix.

(OR)

- b) Differentiate between String and StringBuffer classes. Write about methods that are used in these classes with examples.

15. a) What is an Exception? Explain predefined and user defined exceptions by giving an example.

(OR)

- b) What is Thread? Write a program which explain Thread life cycle.

16. a) What is an Applet? Explain the life cycle of an Applet along with various methods and its uses.

(OR)

- b) Differentiate among AWT and Swings. Explain about different types of Layouts.