FACULTY OF SCIENCE

B. Sc. (CBCS) V- Semester Examination, December 2023/January 2024

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. Describe the structure of Java Program.
2. Explain about JVM.
3. Explain the creation and execution of java program.
4. Write about static and this keyword.
5. What is a wrapper class and mention its methods?
6. Write about String class and its methods.
7. Write about Thread Life Cycle.
8. What is thread priority?
9. Write about Scanner class. Give an example program.
10. Write about Graphics class and its methods.
11. Write about AWT Button and Label components.
12. Mention different Layouts in Swings.

PART – B

Note: Answer all the questions.

(4 x 12 = 48 Marks)

13. (a) (i) Explain any five Java features.
    (ii) Write about type casting in java with examples.
    (OR)
    (b) Explain various conditional statements in java with relevant examples.

14. (a) Write about constructor overloading and method overloading. Give an example.
    (OR)
    (b) Explain inheritance and different types of inheritance. Write a program which demonstrates single inheritance.

15. (a) What is an Exception? Explain types of Exceptions. Give an example program.
    (OR)
    (b) Write about Input-output streams. Write a program to demonstrate File input Stream Class using Sample.text file.

16. (a) What is Applet? Explain Applet life cycle and its methods.
    (OR)
    (b) Write about Event Handling. Explain about AWT Button and Label components.

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