

**FACULTY OF SCIENCE**

B.Sc. (CBCS) III-Year (V-Semester) Regular Examinations, Dec-2022/Jan-2023

Computer Science-V  
(Programming in Java)

Time: 3 Hours

Max Marks: 80

**SECTION-A**

(4x5=20 Marks)

Answer any Four questions from the following

1. Write five important features of java programming language.
2. What are command line arguments in java?
3. Give an example program for User-Defined Exception.
4. List any three layout managers in java.
5. Write about the Abstract classes verses Interfaces.
6. Write about scanner class in Java.

**SECTION-B**

(4x15=60 Marks)

Answer all the following questions

7. (a) Write a java program to calculate the average of marks of three students for 6 different subjects using loop and branch statements.  
(OR)  
(b) Explain about creation and execution of program in Java with an example program.
8. (a) What is method overloading? Write an overloaded method to add 2,3and different integer numbers.  
(OR)  
(b) What is inheritance? Write about any two types of it supported by java with examples.
9. (a) Explain the FileInputStream class and its methods in detail.  
(OR)  
(b) What is java thread? Explain different methods of Thread class in java.
10. (a) Define Event handling & Explain any two events with an example programs.  
(OR)  
(b) Explain any two swing components and operations with suitable examples.