

(FOR THE CANDIDATES ADMITTED

23UCS307

DURING THE ACADEMIC YEAR 2024 ONLY)

REG.NO. :

**N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI**

**END-OF-SEMESTER EXAMINATIONS : NOVEMBER- 2024**

**BSC COMPUTER SCIENCE(AIDED & SF)**

**MAXIMUM MARKS: 75**

**SEMESTER : III**

**TIME : 3 HOURS**

**PART - III**

**23UCS307-JAVA PROGRAMMING**

**SECTION – A**

**(10 X 1 = 10 MARKS)**

**ANSWER THE FOLLOWING QUESTIONS.**

**(K1)**

1. Who developed Java Programming?
  - a) Guido van Rossum
  - b) James Gosling
  - c) Dennis Ritchie
  - d) Bjarne Stroustrup
2. Which of these operators is used to allocate memory to an Array variable in Java?
  - a) malloc
  - b) alloc
  - c) new
  - d) new malloc
3. Which of these functions is called to display the output of an Applet?
  - a) paint()
  - b) display()
  - c) displayApplet()
  - d) PrintApplet()
4. Which of these packages contains all the Classes and Methods required for Event handling in Java?
  - a) java.applet
  - b) java.awt
  - c) java.event
  - d) java.awt.event
5. Which of these class is used to read characters in a file?
  - a) FileReader
  - b) FileWriter
  - c) FileInputStream
  - d) InputStreamReader

(CONT...2)

**ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES**

**(K2)**

6. What is meant by a Constant.
7. What is Vector?
8. Define the term Applet.
9. Write the expansion for JDBC.
10. Define Stream Class.

**SECTION – B**

**(5 X 5 = 25 MARKS)**

**ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)**

11. a) List the Data types in Java.  
(OR)  
b) With suitable example write about While Statement in Java.
12. a) Interpret the Arrays and its types.  
(OR)  
b) Examine the Multithreaded Programming. Concept.
13. a) List the type of Errors and explain.  
(OR)  
b) Show the <applet>tag with example.
14. a) Explain the String Handling functions in java.  
(OR)  
b) Examine the Frames in AWT.
15. a) Discuss the File class I/O Exceptions.  
(OR)  
b) Interpret the Reading and Writing Bytes in a file.

**SECTION – C**

**(5 X 8 = 40 MARKS)**

**ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.(K4 (Or) K5)**

16. a) Explain the classification of operators in Java.  
(OR)  
b) Evaluate the Decision making and Branching statements.
17. a) Discuss the various forms of Implementation of Interfaces with example.  
(OR)  
b) Summarize the creation of User defined Packages.
18. a) Elaborate on Exception Handling in Java.  
(OR)  
b) Determine the Applet Life Cycle.
19. a) Summarize the Event Handling with example.  
(OR)  
b) Discuss any five AWT Controls in java.
20. a) Evaluate the Managing I/O in Classes..  
(OR)  
b) Summarize the Byte and Character Stream classes.

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