

(FOR THE CANDIDATES ADMITTED

22UIT204

DURING THE ACADEMIC YEAR 2022 ONLY)

REG.NO. :

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

END-OF-SEMESTER EXAMINATIONS: MAY 2023

B.Sc. - IT

MAXIMUM MARKS: 50

II SEMESTER

TIME : 3 HOURS

PART - III

OBJECT ORIENTED PROGRAMMING WITH JAVA

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

1. _____ is an identifier that denotes a storage location used to store a data value. It may take different values at different times during the execution of a program.
a) Constant b) Variable c) Methods d) Class
2. _____ is a group of contiguous or related data items that share common name.
a) String b) Thread c) Array d) Interface.
3. _____ is a condition that is caused by a run-time error in the program
a) Exception b) Thread c) Loop d) Vectors
4. The applet enters the _____ state when the system calls the start() method of the Applet class.
a) Dead state b) idle or stopped c) Running d) Display
5. Which of these exceptions is thrown in case when the file specified for writing is not found?
a) IOException b) FileNotFoundException c) FileNotFountException d) FileInputException

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

6. Define Polymorphism.
7. Define Vector class in Java.
8. What is a thread in Java?
9. Write the syntax for Applet tag.
10. What is meant by stream in Java?

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SECTION – B

(5 X 3 = 15 MARKS)

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

11. a) Explain the structure of Java Program.
(OR)
b) Comment on Java Virtual Machine
12. a) What is Inheritance in Java? Give example.
(OR)
b) Write short notes on the Abstract Methods and Classes in Java.
13. a) Demonstrate creating Packages in Java.
(OR)
b) What is meant by Exception? What are the different Exception classes?
14. a) Compare Java Applets and Java Application.
(OR)
b) Demonstrate “Designing a Web Page”
15. a) Describe the Concepts of Streams in Java.
(OR)
b) Write a note on Character Stream Classes in Java.

SECTION – C

(5 X 5 = 25 MARKS)

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

16. a) What are the features of Java? Explain
(OR)
b) Discuss the basic concepts of Object Oriented Programming
17. a) Write the general syntax of class and constructors with example.
(OR)
b) Summarize in detail about the Arrays in java with suitable examples
18. a) What are the two major categories of Packages (Putting classes together) in Java? Explain.
(OR)
b) Explain the Life cycle of a thread with neat diagrams.
19. a) Explain the Event Handling Mechanism in Java Applet Code
(OR)
b) Discuss the Applet Life Cycle with a neat diagram
20. a) Summarize Creation of files in Java
(OR)
b) Discuss the Random Access Files in Java with example program.
