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(FOR THE CANDIDATES ADMITTED

SUB CODE

DURING THE ACADEMIC YEAR 2023 ONLY)

REG.NO. :

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

END-OF-SEMESTER EXAMINATIONS : MAY 2024

B.Sc.(IT)

MAXIMUM MARKS: 75

SEMESTER: II

TIME : 3 HOURS

PART – III

OBJECT ORIENTED PROGRAMMING WITH JAVA

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.(K1)

1. Java was initially called as
a) oak b) Hot Java c) Sun d) Class++
2. Aⁿ is a collection of similar data items.
a) Union b) Structure c) Array d) Packages
3. Which of these method of Thread class is used to Suspend a thread for a period of time?
a) sleep() b) terminate() c) suspend() d) stop()
4. Applet enters in to the running state when the system calls themethod of applet class.
a) init() b) start() c) paint() d) destroy()
5. Which of these class contains the methods used to write in a file?
a) FileStream b) FileInputStream c) FileOutputStream d) FileBufferStream

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES (K2)

6. What is meant by Data Abstraction in OOPs ?
7. Define Strings in Java
8. What is meant by Java Exceptions?
9. What is an Applet?
10. What is a Stream class in Java?

SECTION – B

(5 X 5 = 25 MARKS)

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

11. a) List the features of Java and Explain any Three
(OR)
b) Explain in detail the Constants in Java
12. a) Explain in detail the Strings and its methods in Java
(OR)
b) Describe in detail the Constructors in Java

13. a) Explain about the Thread Priority in Java.
(OR)
b) Describe the uses of Try Catch and throw statements in Java
14. a) Enumerate about the Applet Tag in Java
(OR)
b) Describe about Writing and Building an Applet Code
15. a) Write a note on concatenating and buffering files in java
(OR)
b) Describe the Concepts of Streams

SECTION – C**(5 X 8 = 40 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K4/K5)**

16. a) Illustrate in detail the Basic Concepts of Object Oriented Programming
(OR)
b) Discuss the Various Data types in Java
17. a) Conclude about class definition, Methods and field declaration in Java.
(OR)
b) Discuss Arrays in Java with a example Program
18. a) Discuss Creating and Using Packages in Java
(OR)
b) Illustrate the Life Cycle of a Thread.
19. a) Discuss in detail about Designing a Web Page using HTML
(OR)
b) Summarise the Lifecycle of an Applet
20. a) Discuss in detail the Creation of files in Java
(OR)
b) Interpret in detail the Random Access Files in Java