

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

END-OF-SEMESTER EXAMINATIONS: DECEMBER – 2022

B.Sc. – COMPUTER TECHNOLOGY

MAXIMUM MARKS: 70

III SEMESTER

TIME: 3 HOURS

PART - III

JAVA PROGRAMMING

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS. MULTIPLE CHOICE QUESTIONS.

(K1)

1. Which of the following is not a Java feature?
 - a. Dynamic
 - b. Architecture Neutral
 - c. Use of pointers
 - d. Object-oriented
2. What do you mean by nameless objects?
 - a. An object created by using the new keyword.
 - b. An object of a superclass created in the subclass.
 - c. An object without having any name but having a reference.
 - d. An object that has no reference.
3. How many threads can be executed at a time?
 - a. Only one thread
 - b. Multiple threads
 - c. Only main (main () method) thread
 - d. Two threads
4. Which of these functions is called to display the output of an applet?
 - a. display ()
 - b. print ()
 - c. display Applet ()
 - d. Print Applet ()
5. Which of these is used to perform all input & output operations in Java?
 - a. Streams
 - b. Variables
 - c. Classes
 - d. Methods

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.

(K2)

6. Define Variable.
7. Define Class.
8. Recall the uses of Thread.
9. Write the functions of start () method.
10. Why Data Input Stream is required ?

SECTION – B

(5 X 4 = 20 MARKS)

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

11. a) Recall the use of static void main (String args []) in Java.

(OR)

- b) Compare the features of java and C++ .

12. a) Describe the use of super keyword.

(OR)

- b) How Multiple Inheritance implemented in Java? Explain.

13. a) Discuss various Thread Creating methods in Java.

(OR)

- b) List the types of threads in Java? Explain.

14. a) Differentiate execution of applications and applets.

(OR)

- b) Construct Java Program to draw a circle .

15. a) Describe the use of System.Err.

(OR)

- b) Describe the functions of File Output Stream.

SECTION – C

(4 X 10 = 40 MARKS)

ANSWER ANY FOUR OUT OF SIX QUESTIONS.

(K4 / K5)

(16th QUESTION IS COMPULSORY AND ANSWER ANY THREE QUESTIONS.

16. Explain various Data types in Java.
17. Discuss Operators and Expressions.
18. Describe the features of inheritance.
19. Sketch the Life Cycle of a Thread.
20. Discuss Applet life cycle in java with diagram.
21. Discuss the use Character Stream Classes.