

9. To stop a thread in Java which of the following method is used?
A. stop() B. sleep() C. suspend() D. wait()
10. *OutOfMemoryException* is caused when_____
- A. The system runs out of stack space
 - B. The system tries to access the bad index of an array.
 - C. The system attempts to access a nonexistent file.
 - D. There is not enough memory to allocate a new object.

PART B (10 x 2 = 20 Marks)

- 11. Give structure of C++ program.
- 12. List out any two drawbacks of Procedure oriented languages.
- 13. What is the use of copy constructor?
- 14. What is dynamic binding?
- 15. What are the operators that cannot be overloaded in C++?
- 16. What are the types of inheritance?
- 17. Define JVM.
- 18. Explain objects of java classes.
- 19. Define multithreading.
- 20. What is the difference between System . out . print and System . out . println in Java?

PART C (5 x 14 = 70 Marks)

21. (a) Explain in detail the basic principles of object oriented programming.
- (OR)**
- (b)What is meant by function overloading in C++? Write the steps for selection of function.Give suitable example.
22. (a) What is the use of static data member in C++? Explain in detail. Write a program using static variable to count the number of objects created?
- (OR)**
- (b)What is the need for parameterized constructor? Explain the function of parameterized constructors with their declaration inside a class.

23. (a) Write a C++ Program to create a class complex to represent complex number with overloaded addition operator. Use them in a main program and explain.

(OR)

(b) What are the different forms of inheritance? Give example for them.

24. (a) Explain any seven Java features in detail.

(OR)

(b) Explain about the visibility modifiers in Java.

25.(a) Develop a java program to illustrate the concepts of interfaces used to support multiple inheritance.

(OR)

(b) (i) Explain the life cycle of a thread with neat diagram. (7)

(ii) Write a program to create a thread using thread class. (7)
