

Reg. No. :

Code No. : 20690 E Sub. Code : SMCA 31

B.C.A. (CBCS) DEGREE EXAMINATION, APRIL 2021.

Third Semester

Computer Application — Main

JAVA PROGRAMMING

(For those who joined in July 2017 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Java has recently revived these interfaces in a package called _____.
(a) RMI (b) JDBC
(c) PERL (d) BASIC
2. _____ is a feature that allows one interface to be used for a general class of actions.
(a) Inheritance (b) Polymorphism
(c) Encapsulation (d) JDK

3. A _____ initializes an object immediately upon creation.
(a) Destructor (b) Constructor
(c) Parameter (d) Instance
4. _____ collection only occurs spordically during the execution of your program.
(a) Stack (b) Class
(c) Garbage (d) Oops
5. _____ is the process of defining something in terms of itself.
(a) Recursion (b) Function
(c) Class (d) All the above
6. The _____ is both a naming and a visibility control mechanism.
(a) Foobar (b) Package
(c) Public class (d) Classes
7. The class that does the inheriting is called a _____.
(a) Super class (b) Subclass
(c) Private (d) Public
8. A _____ clause lists the types of exceptions that a method might exception.
(a) Error (b) Throws
(c) Null (d) Finally

9. A _____ is linked to a physical device by the Java I/O system.
- (a) Byte (b) Stream
(c) I/O (d) Data
10. _____ is an abstract class that encapsulates all the attributes of a visual component.
- (a) Container (b) AWT
(c) Component (d) Window

PART B — ($5 \times 5 = 25$ marks)

Answer ALL questions, choosing either (a) or (b).

11. (a) Write short notes on creation of Java.
Or
(b) Explain one dimensional array in Java.
12. (a) What is constructors? Explain.
Or
(b) Write short notes on method over riding.
13. (a) Defining a package with general statement.
Or
(b) Explain with example Nested try statements.
14. (a) What is getchars () statement with example.
Or
(b) What is Applet initialization and Termination.

15. (a) What is windows fundamentals in java.

Or

- (b) Explain Handling Scroll Bars with example.

PART C — ($5 \times 8 = 40$ marks)

Answer ALL the questions, choosing either (a) or (b).

16. (a) Describe the Java Buzzwords.

Or

- (b) Explain the Datatypes in Java.

17. (a) Explain constructors with example.

Or

- (b) Explain inheritance in Java with example.

18. (a) Describe the Exception-Handling Fundamentals with example.

Or

- (b) Write a program to create a Multiple threads.

19. (a) Explain the Event listener Interfaces with general syntax.

Or

- (b) Explain the adapter classes in Java.

20. (a) Discuss AWT control fundamentals in Java.

Or

- (b) Explain layout managers with example.