(6 pages)

Reg. No. : ....

Code No. : 7058   Sub. Code : ZCAM 14

M.C.A. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2022.

First Semester

Computer Application – Core

ADVANCED JAVA PROGRAMMING

(For those who joined in July 2021 onwards)

Time : Three hours   Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Which is a reserved word in the Java programming language?

   (a) method

   (b) native

   (c) subclasses

   (d) reference

2. Which of these cannot be used for a variable name in Java?

   (a) identifier and keyword

   (b) identifier

   (c) keyword

   (d) none of the mentioned

3. Which of these type parameters is used for a generic methods to return and accept a number?

   (a) K   (b) N

   (c) T   (d) V

4. Which of the following cannot be Type parameterized?

   (a) Overloaded Methods

   (b) Generic methods

   (c) Class methods

   (d) Overriding methods

5. Suppose you are developing a Java Swing application and want to toggle between various views of the design area. Which of the views given below are present for the users to toggle?

   (a) Design View

   (b) Requirements View

   (c) Source View

   (d) Management View

6. What is the name of the Swing class that is used for frames?

   (a) Window   (b) Frame

   (c) JFrame   (d) SwingFrame

7. What does the ava.net.InetAddress class represent?

   (a) Socket   (b) IP Address

   (c) Protocol   (d) MAC Address

8. Java supports RMI, RMI Stands for?

   (a) Random Method Invocation

   (b) Remote Memory Interface

   (c) Remote Method Invocation

   (d) Random Memory Invocation

9. Which of the following is not an Enterprise Beans type?

   (a) Doubleton   (b) Singleton

   (c) Stateful   (d) Stateless

10. Which of the following code is used to get an attribute in a HTTP Session object in servlets?

    (a) session.getAttribute(String name)

    (b) session.alterAttribute(String name)

    (c) session.updateAttribute(String name)

    (d) session.setAttribute(String name)

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) What is a constructor? Explain the two types of constructor in Java.

    Or

    (b) Write brie notes on Method Overriding and present the rules for Method Overriding in Java.

12. (a) Write about ByteStream Classes in Java.

    Or

    (b) Discuss in brief about Java Generics programming.

13. (a) Write notes on JButton Class, its declaration and commonly used constructors and methods.

    Or

    (b) Write brief notes on the different types of statement objects in JDBC.

14. (a) Write about the protocols supported by Java networking package.

    Or

    (b) Write short notes on Java InetAddress.

15. (a) Write about the important Properties of Java Bean.

Or

(b) What is a Cookie? How does it Work?

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Describe in detail about abstract and final classes in Java.

Or

(b) Describe Packages in Java with example program.

17. (a) Explain about Java I/O streams and its working functionalities.

Or

(b) Discuss in detail about Generic Class and Generic type parameters.

18. (a) Specify the different types of statement objects in JDBC.

Or

(b) Describe in detail about Java JDBC and the different types of drivers.

19. (a) Discuss in detail about Java Networking classes and interfaces.

Or

(b) Describe in detail about reading and writing a file via a Channel using JavaNIO.

20. (a) Explain about Introspection in Java Bean.

Or

(b) Discuss about the two important Entity beans persistence methods.

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