

**Reg. No. : .....**

**4613                      Q.P. Code : [20 MIT 41/20 CSC 05]**

(For the candidates admitted from 2020 onwards)

M.Sc. DEGREE EXAMINATION, JUNE/JULY 2021.

Second/First Semester

Information Technology/Computer Science

**ADVANCED JAVA PROGRAMMING**

Time : Three hours

Maximum : 75 marks

**SECTION A — (10 × 1 = 10 marks)**

Answer ALL questions.

Choose the best answer.

1. The process of \_\_\_\_\_ to an event is known as event handling.  
(a) manipulating              (b) accessing  
(c) responding                (d) deleting
2. \_\_\_\_\_ event generated by user interface actions, such as clicking on a button or selecting a menu item.  
(a) Action                      (b) Adjustment  
(c) Component                (d) Input methods

3. RMI Socket Factory class provides the capability for RMI to be used with a
- (a) Port
  - (b) Firewall
  - (c) Client
  - (d) Distributed DB
4. The serialization used by RMI is \_\_\_\_\_ to the client and server objects.
- (a) Well known
  - (b) Partially sent
  - (c) Partially received
  - (d) Transparent
5. A \_\_\_\_\_ is a way of partitioning the tables of a database.
- (a) Schema
  - (b) Structure
  - (c) Del
  - (d) Zip
6. The updateDatabase( ) method is invoked to update the database with the information collected in the \_\_\_\_\_.
- (a) table
  - (b) form
  - (c) frontend
  - (d) backend
7. The expression can have any data value, as long as it can be converted to a \_\_\_\_\_.
- (a) float
  - (b) double
  - (c) string
  - (d) Int

8. \_\_\_\_\_ Returns authentication scheme.
- (a) `getAuthenticity()`
  - (b) `getServer()`
  - (c) `getAuthType()`
  - (d) `getAuthentication()`
9. \_\_\_\_\_ , as it applies to `java.text`, is the process of sorting or arranging text strings according to locale-specific customs.
- (a) Ascending                      (b) Descending
  - (c) Index                              (d) Collation
10. The \_\_\_\_\_ class is the Swing analog of the AWT Panel class. It, like all other subclasses of `JComponent`, provides the capability to add a border.
- (a) Layout                              (b) Border
  - (c) `JPanel`                              (d) Shading

SECTION B — ( $5 \times 5 = 25$  marks)

Answer ALL the questions.

11. (a) Discuss on java awt events.
- Or
- (b) Write a java program to wait for thread to complete.

12. (a) Narrate the security methods of distributed application.

Or

- (b) Give an account on the information contained in the cells of distributed approach DCE.

13. (a) Exemplify the Java database search method.

Or

- (b) Discuss on the process used to access the database information.

14. (a) Write short note on the JSP page component Declarations.

Or

- (b) Exemplify the creation of simple servlet.

15. (a) What is meant by JAR file? Explain with its creation.

Or

- (b) Discuss on the working principles of swing components.

SECTION C — ( $5 \times 8 = 40$  marks)

Answer ALL the questions.

16. (a) Write a Java program to demonstrate the event handling.

Or

- (b) Describe the event handling methods in Java.

17. (a) Elaborate the creation of stubs and skeleton.

Or

- (b) Discuss on the Java remote method invocation with example.

18. (a) Elucidate the Java interaction with the database.

Or

- (b) Exemplify the creation of multimedia database.

19. (a) Discuss on the significance of cookie with example.

Or

- (b) Describe the handling of HTTP Request and Responses with example.

20. (a) Explain the hierarchy of swing components used and swing package.

Or

- (b) Elaborate the functions of SwingLF applications.
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