

(6 pages)

Reg. No. :

Code No. : 6184

Sub. Code : WCAM 23

M.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2024.

Second Semester

Computer Applications – Core

ADVANCED JAVA PROGRAMMING

(For those who joined in July 2023 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (15 × 1 = 15 marks)

Answer ALL questions.

Choose the correct answer :

1. Event class is defined in which of these libraries?
(a) Java.io (b) Java.awt.event
(c) Java.net (d) Java.lang
2. Which method is used to change the name of a thread?
(a) Public String getName()
(b) Public void set Name (String name)
(c) Public void getName()
(d) Public String set Name (String name)

3. Thread priority in Java is _____ type .
(a) Integer (b) Float
(c) Double (d) Long
4. A server class has to subclass _____ class to produce a Remote object.
(a) Remote Object
(b) Remote Server
(c) Unicast Remote Object
(d) RMI Class Loader
5. Registering of a remote server is done using _____ method _____ class.
(a) Bind () (b) Rebind ()
(c) Both (a) and (b) (d) None
6. The client is able to locate the availability of a server using the _____ method.
(a) Ping (b) Set
(c) Test (d) Post
7. What are the major components of the JDBC?
(a) Driver Manager, Driver, Connection, Statement and Result Set
(b) Driver Manager, Driver, Connection and Statement
(c) Driver Manager, Statement and Result Set
(d) Driver Manager, Connection, Statement and Result Set

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8. Which of the following method is used to perform DML statements in JDBC?
(a) Execute Result () (b) Execute Query ()
(c) Execute Update () (d) Execute ()
9. Parameterized queries can be executed by?
(a) Parameterized Statement
(b) Prepared Statement
(c) Callable Statement
(d) All the above
10. Which of the below is not a session tracking method?
(a) URL rewriting (b) History
(c) Cookies (d) SSL sessions
11. Which of the following is stored at the client side?
(a) URL rewriting (b) Hidden form fields
(c) SSL sessions (d) Cookies
12. What is the maximum size of cookie?
(a) 4 KB (b) 4 MB
(c) 4 bytes (d) 40 KB
13. In `c:\jar uf pack.jar`, the option `uf` refers _____.
(a) Unsorted file (b) Used file
(c) Updated file (d) Arranged

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14. What is the purpose of the `setResizable()` method in `JFrame`?
(a) To set the size of the frame
(b) To set the title of the frame
(c) To make the frame resizable or non-resizable
(d) None
15. Which class is used to display a list of selectable items in Java Swing?
(a) `JTextField` (b) `JTextArea`
(c) `JLabel` (d) `JList`

PART B — (5 × 4 = 20 marks)

Answer ALL questions, choosing either (a) or (b).
Each answer should not exceed 250 words.

16. (a) Explain any five event listeners Interfaces and methods with example.

Or

- (b) Write a program to handle Mouse Event Listeners and methods.

17. (a) Explain RMI Architecture.

Or

- (b) What is Distributed computing environment?

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18. (a) Write short note on Multimedia databases.

Or

(b) List the Remote Objects and explain with example.

19. (a) Explain Interface servlet.

Or

(b) Write a simple servlet and how to compile the servlet.

20. (a) Explain Date Format Symbols class.

Or

(b) Explain Components of JSP.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b)
Each answer should not exceed 600 words.

21. (a) How to implement the J2EE multitier?

Or

(b) Write about ItemEvent Class constructors and methods.

22. (a) How will you Create the Remote Interface?

Or

(b) Illustrate how to Create Stub and Skeleton Classes.

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23. (a) Explain Sub queries in embedded SQL with examples.

Or

(b) Write notes on

(i) commit() and

(ii) rollback() with examples.

24. (a) Explain Control statement in JSP.

Or

(b) Explain working with cookies.

25. (a) Explain Swing Borders in detail.

Or

(b) Present detailed note on EJB Transaction Attributes.

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