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Reg. No. :

Code No. : 6541

Sub. Code : ZCSM 12

M.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2021

First Semester

Computer Science – Core

ADVANCED JAVA PROGRAMMING

(For those who joined in July 2021 onwards)

Time : Three hours

Maximum : 75 marks

PART A — ($10 \times 1 = 10$ marks)

Answer ALL questions.

Choose the correct answer :

1. The background and foreground colors of an applet can be set using the values defined in _____ class.
 - (a) Color
 - (b) Back color
 - (c) For color
 - (d) All of these

2. A _____class implements all methods of an interface with a do-nothing code.
- (a) WindowEvent (b) mouse event
(c) ComponentEvent (d) adapter
3. The Swing classes are contained in a Java extension package called _____
- (a) javax.swing (b) java.swing
(c) javax.awt (d) javac.swing
4. _____ provides methods to display a card of the user's choice.
- (a) JMenu (b) JDialog
(c) JRadioButton (d) CardLayout
5. URL is an acronym for _____
- (a) Uniform Resource Locator
(b) Under Resource Locator
(c) Uniform Resource Location
(d) Uniform Restore Locator
6. The text typed is packed in a datagram and sent to a client in the local host with port number _____
- (a) 3456 (b) 3457
(c) 3476 (d) 3567

PART B — ($5 \times 5 = 25$ marks)

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

Each answer should not exceed 250 words.

11. (a) List out the different multimedia methods defined in applet give an example.

Or

- (b) Write an applet program that will accept a text from a keyboard and display it on the screen as a moving text from right to left. Use key event to input the text.

12. (a) How to create the windows in Swing? Give an example.

Or

- (b) Mention the different types of methods used in JLabel.

13. (a) How the server send the message to client explain?

Or

- (b) Discuss about UDP Server-Client Conversation.

14. (a) Write the steps for using JDBC.

Or

- (b) How to use driver manager for creating connection with database?

15. (a) Determine about HttpServlet class with an example.

Or

- (b) Write a Servlet program to receive student profile using HTML POST method.

PART C — ($5 \times 8 = 40$ marks)

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

Each answer should not exceed 600 words.

16. (a) Explain in detailed about HTML Applet tag with an example.

Or

- (b) Describe the following event class

- (i) ComponentEvent Class
- (ii) MouseEvent Class
- (iii) TextEvent Class.

17. (a) How to create JMenuItem, JMenu, JMenuBar of JFrame and JApplet? Explain with example.

Or

- (b) Define LayoutManager? Explain the various types LayoutManager in detail.

18. (a) What is meant by URL? Discuss about URL Class and URL Connection.

Or

- (b) Write a server and a client (TCP/IP) program such that message typed in server is displayed on a client and vice versa.

19. (a) Write a Java program to create JDBC-ODBC connection and show how to read a database created in MS-Access.

Or

- (b) Explain about Connection Interface - Creating Statements in JDBC.

20. (a) Summarize about Session tracking and its methods identify by the client browser.

Or

- (b) Elaborate the working mechanism of Servlet with I/O files.
