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Question Paper Code: 99229

B.E./B.Tech. DEGREE EXAMINATION, NOV 2023

Elective

Computer Science Engineering

19UCS929 - ADVANCED JAVA PROGRAMMING

(Regulation 2019)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 1 = 5 Marks)

1. Which of these modifiers can be used for a variable so that it can be accessed from any thread or parts of a program? CO1- U
(a) transient (b) volatile (c) global (d) No modifier is needed
2. Which method executes only once? CO1- U
(a) Start() method (b) init() method (c) stop() method (d) destroy()method
3. Which of the following is not a valid type of statement in JDBC? CO1- U
(a) Statement (b) Prepared Statement (c) Callable Statement (d) Query Statement
4. Which of these packages contains all the classes and methods required for even handling in Java? CO1- U
(a) java.applet (b) java.awt (c) java.event (d) java.awt.event
5. _____ is generated when a button is pressed, a list item is double-clicked or a menu item is selected CO1- U
(a) Action Event (b) Adjustment Event (c) Container Event (d) Component Event

PART – B (5 x 3= 15 Marks)

6. Write an Applet Code to display the string “Have a good Day”? CO1-App
7. Write a java code to Find I.P. Address of your System? CO3-App
8. What are the types of JDBC Architecture? CO1-U
9. Write a code using Applet that displays the String “Hello everyone”? CO1-App

10. Consider a button to check for eligibility of voting. Consider two Radio Buttons having age \geq 18 and age < 18. When age \geq 18 is clicked the message of “You are eligible for Voting” must be shown else “You are not eligible for Voting” must be shown. CO3-App

PART – C (5 x 16= 80Marks)

11. (a) Consider Strings named name, age, sport, food, fruit and destination. Write a code in such a way that the strings is received from the user and displayed in applet? Write a code that displays the strings using HTML Applet tag and a code to draw line, Round Rectangle, Oval and Arc? CO2- App (16)

Or

- (b) Write a java code to create a window with two buttons called Father and Mother. When the user clicks Father Button the name, age, qualification and designation of your Father must appear and when the user clicks mother button the details of your mother must be displayed and the type of Event listener used in this program. CO2- App (16)

12. (a) Write a java Program to create a Frame with Four Buttons India, Singapore, London and Malaysia. When user clicks India the Message of “You have selected India to travel” .Similar messages must be displayed for other Buttons also and explain about the swings used in this problem. CO2- App (16)

Or

- (b) Write a code to develop Java Beans by creating jar file for displaying the various spectrum color such as Hue, Saturation and Brightness. The Property must able to change its axis. CO2- App (16)

13. (a) What is JDBC? and explain about connection settings. CO1- U (16)

Or

- (b) Consider Database for Shopkeeper having product id, product name, product price and its quantity. Write a java program that the Shopkeeper should able to insert product to his store. CO3- App (16)

14. (a) Write a java Program to create Menu Bar and Menu Item. The Menu Bar contains two options File and Edit. The File should contains New, Open, Save and Exit. The Edit Menu contains Copy, Remove and Paste. Display the Relevant message on selection of every item. CO2- App (16)
- Or
- (b) Write a code to develop Java Beans by creating jar file for displaying the various Shapes such as Triangle and circle and The position of these shapes must be able to change as user changes. CO2- App (16)
15. (a) Explain about the concept of JDBC? CO1- U (16)
- Or
- (b) What is Statement Object in JDBC and explain the types of Statement Object available in JDBC CO1- U (16)

