

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- Sep 2017

B.Tech(CSE/IT) VII Semester

COURSE CODE: 12B1WCI733

MAX. MARKS: 15

COURSE NAME: ADVANCED JAVA

COURSE CREDITS: 3

MAX. TIME: One hr

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.

- Design an applet called Checker in which a black oval moves from a green square to a blue square. To reduce the flickering override the update method to clear only that part of the screen that is changing during the animation. **[3 marks]**
- Design a GUI using awt or swing components, as shown in Fig. 1. The applet window consists of two panels: The first panel consists of a scrolling list with three items as chowmein1, chowmein2, and chowmein3. The second panel consists of four check boxes representing the ingredients used in the chowmein, based on its category and a text field. If the user opts for chowmein1, the ingredients carrot and cabbage are selected and a cost of Rs 50 is displayed in the text field. In the second option, tomato is also included along with carrot and cabbage, with a cost of Rs 70. In the third option all the ingredients are included in the chow mein with a cost of Rs. 100. **[4 marks]**
- Design a GUI using awt/swing components as shown in Fig. 2. The first row should display four buttons representing the roll number of the student. All the buttons are of same height; the widths of all the buttons are also the same except the fourth button (which is double the width of the previous buttons). The second row consists only of a text area. When user clicks on the button representing the name, the information of the student (i.e., name, age, and class are displayed on the text area. You are supposed to use GridBagLayout manager only. **[4 marks]**
- Define an applet to create a tabbed pane with two tabs: Table and Tree. The first tab contains a table displaying the information of Employee {empid, ename, age}. The second tab contains a tree structure as shown in Fig. 3. Insert both the JTable and JTree in JScrollPane. JScrollPane has to be inserted at the center of the BorderLayout manager (within panels). When user clicks on the any node of the tree, its path should be displayed on the text field. For example on clicking Y2 node, the path should be displayed in the text field as [A, Y, Y2]. **[4 marks]**

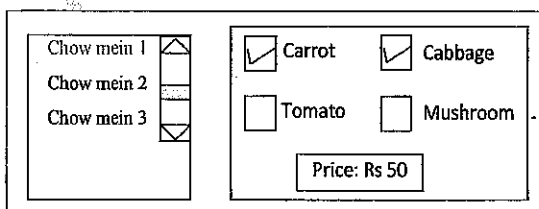


Fig. 1

weightx: 1 1 1 2			
101	103	104	107
Name: Britta			
Age: 25			

Fig. 2

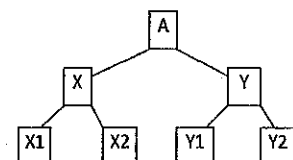


Fig. 3

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