



VIT[®]

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

School of Computer Science and Engineering Fall Semester, CAT II Exam -2018

Course : B.Tech (Common to all batches) Slot : C2+TC2
Subject : Human Computer Interaction Year : II,III & IV
Subject Code : CSE4015
Duration : 90 Minutes Max. Marks : 50

Answer All the Questions

1. Consider the following sentence, "A proper and efficient algorithm always enhances the efficiency of the face recognition systems".
 - a. Perform KLM for the given scenario using mouse based operations and keyboard based operations to strike out every third word of the given sentence which has to be replaced by ***.
[8 Marks]
 - b. Which operations are having lesser execution time, to find out the total execution time?
[2 Marks]
2. Create a GOMS description of the task of photocopying a paper from a journal. Discuss the issue of closure in terms of your GOMS description.
[10 Marks]
3. Scenario given below demonstrates the additional behavior of the new phone. Draw the STN to add the new recall facilities of the new phone. List and justify briefly any such design decisions that are required or any other design issues that become apparent.
[10 Marks]

Scenario (new phone only)

Steeve decides to ring a friend in his electronic phone book.

1. Steve presses the left arrow key
2. The phone display says 'phone book'.
3. He presses 'YES'
4. The phone display says 'recall'
5. He presses 'YES'
6. The phone display says 'pos?' (Requesting position in phone book)

- c. Which of these models would you prefer as the expressive model? Justify. [3 Marks]
4. Create a propositional production system for the scenario of deleting a file given in question no. 1. [5 Marks]
5. Assume that a groupware need to be developed for having discussion on conducting international events in a remote organization. Around 5 organizations from various part of the world is associated with the event conduction. If you are allotted to design a groupware for this purpose, highlight and justify the characteristics of the groupware that you would emphasize in your design.

[10 Marks]

**** All the best ***