COLLEGE OF ENGINEERING, PUNE

(An autonomous Institute of Govt. of Maharashtra)

End-Sem Examination

(CT312) HUMAN COMPUTER INTERACTION

Class: - T.Y. B.Tech (Information Technology)

Year: - 2012-13   Semester: - V

Duration: - 03 Hr   Max. Marks: - 50

Instructions:
1. *All the Questions are compulsory.*
2. *Assume suitable data whenever necessary.*
3. *Draw neat figures wherever required.*
4. *Figures to right indicate full marks.*

Q.1 **A)** Explain with example how one can use keystroke level model to measure and compare the efficiency of user interface. Give advantages and disadvantages for Keystroke level model. **[05]**

B) Explain Norman's seven stages of action models. What are principles of good design suggested by Norman in the stages of action model? **[05]**

Q.2. **A)** Explain various design approaches for Multiple Window Design. **[05]**

B) Explain with examples form fillin design guidelines. **[05]**

Q.3. **A)** List and explain different expert review techniques that are used for evaluating a user interface. **[05]**

B) Give time space matrix for synchronous and asynchronous mode of communication. Describe the issues related with each category by giving an appropriate example. **[05]**

Q.4. **A)** Explain response time and user think time with the help of a diagram. List and explain different issues to be considered by designer of response time and display rate. **[05]**

B) What is speech generation? What are the constraints under which speech generation is preferred? Give at least two areas where it can be used. **[05]**

Q.5. **A)** Explain data type by task taxonomy of information visualizations. Give suitable examples for various data types. **[05]**

B) Create OAL model for Library Management System. **[05]**