

University of Mumbai

B.E Fourth Year 2014 - 2015 May

Semester 8 (BE Fourth Year)

Human Computing Interaction

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(3 Hours)

QP Code : 8017  
[Total Marks : 100]

- N.B. i) Question No. 1 is Compulsory.  
ii) Attempt any four questions out of remaining questions.

- Q.1 a) Explain principles of user interface design. [10]  
b) Explain User Interface Design Process in detail. [10]
- Q.2 a) What are possible uses of colors and problems associated with it? [10]  
b) Explain in detail about positioning and pointing devices. [10]
- Q.3 a) Explain important human characteristics and Human considerations in User Interface Design. [10]  
b) Write guidelines for design of effective error messages for a software development Environment. [10]
- Q.4 a) Explain in detail about the following techniques determining requirements. Categorize them as direct or indirect method: [10]  
(i) Competitor analysis  
(ii) Paper survey or Questionnaire  
(iii) Card Sorting  
(iv) Usability laboratory testing  
(v) User Interface Prototyping  
b) Design the User Interfaces for web based Address book application. [10]
- Q.5 a) Explain techniques of Organizing, Ordering and Grouping of screen data [10]  
b) Explain various selection and presentation controls. [10]
- Q.6 a) Differentiate between GUI and Web based systems. [10]  
b) Explain the qualities of visually pleasing composition. [10]
- Q.7 Write short note on any two of the following: [20]  
(i) Menu Structures  
(ii) Importance of Good User Interface  
(iii) User Interface Building Tools  
(iv) Speech Recognition Systems

RJ-Con. 8945-15.