Comp- VIII
1/1

Electro

(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 .   [10]
Categorize them as direct or indirect method:
(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