

Code: IT8T3A

IV B.Tech-II Semester–Regular/Supplementary Examinations–April 2017

**HUMAN COMPUTER INTERACTION
(INFORMATION TECHNOLOGY)**

Duration: 3 hours

Max. Marks: 70

Answer any FIVE questions. All questions carry equal marks

1. a) Explain evolution of screen design in detail. 6 M
b) List out characteristics of design. 4 M
c) Discuss various principles of user interface. 4 M
2. a) What are the characteristics of web user and how it is useful in interface design? 7 M
b) Explain the concept of direct manipulation. 7 M
3. a) What are the human characteristics to be considered in user interface design? 7 M
b) Explain the process of analyzing business requirements. 7 M
4. a) A visually pleasing screen design need not be easy to use. Justify with an example. 7 M

- b) Explain various screen navigation mechanisms. 7 M
5. a) What is the role statistical graphics on screen design? 7 M
- b) Discuss human characteristics to be considered while presenting information screens. 7 M
6. a) What is the difference between combo box and list box, also discuss when to use them? 8 M
- b) Explain about navigation schemes. 6 M
7. a) What is an icon and how to create dynamic icons? 7 M
- b) Color plays an important role in user interface design. Justify. 7 M
8. a) Explain various device based controls. 6 M
- b) Explain the guidelines of selecting proper device based controls. 8 M