Code: IT7T6A

IV B.Tech - I Semester – Regular/Supplementary Examinations October - 2019

HUMAN COMPUTER INTERACTION
(INFORMATION TECHNOLOGY)

Duration: 3 hours   Max. Marks: 70
PART – A

Answer *all* the questions.   All questions carry equal marks
$$11x\ 2 = 22\ M$$

1.
   a) What are the benefits of good design?
   b) What do you mean by Usability?
   c) Mention the Characteristics of the GUI.
   d) Discuss why people have trouble with computers.
   e) What is the objective of requirements analysis?
   f) Mention needs to be considered in screen design process.
   g) List the components of a statistical graphics.
   h) What are the characteristics of device based controls?
   i) What are the guidelines for formatting menus?
   j) List different purposes of graphical representations in web pages.
   k) What are the factors to be considered in choosing colors for categorization of information?

PART – B

Answer any **THREE** questions.   All questions carry equal marks.

<div align="right">3 x 16 = 48 M</div>

2. a) What is the importance of user interface?   8 M

   b) Discuss the problems with direct manipulation?   8 M

3. a) Illustrate the importance of human characteristics that have influence on design.   8 M

   b) Discuss how a poor screen design can distract the user and what are the user expectations in good screen design.   8 M

4. What are the qualities of screen elements? How they are useful in providing a visually pleasing appearance?   16 M

5. a) Classify the structures of menus with suitable examples.   8 M

   b) Describe selection of screen based controls.   8 M

6. a) Describe the role of error messages in presentation styles. Explain about readability guidelines for messages.   8 M

   b) Illustrate the need for using icons.   8 M