

Code: IT7T6A

IV B.Tech - I Semester – Regular Examinations – October 2017

**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 is the importance of user interface?
- c) Explain various ways of human interaction with computers.
- d) Explain the technique that has dramatically increased reading speeds.
- e) List the Direct methods of Business definition and requirements analysis.
- f) What is screen planning and purpose?
- g) List the capabilities of the system for screen design.
- h) Represent the structure of single menus and sequential linear menus.
- i) What is Event-Trapping Menus?
- j) Define Icon and explain secondary usage of icon.
- k) What are the uses of color?

PART – B

Answer any **THREE** questions. All questions carry equal marks. 16 x 3 = 48 M

2. a) Illustrate the popularity of graphics. 8 M

b) How would you explain principles of user interface? 8 M

3. a) Why people have trouble with Computers? 8 M

b) How do we consider limitations to human capabilities under varying operational states and adverse environments? 8 M

4. Summarize the qualities that provide visually pleasing composition. 16 M

5. Identify the characteristics and capabilities of device-based control. 16 M

6. a) Write a short note on characteristics of icons and Influences of Icon usability. 8 M

b) Discuss about foregrounds and backgrounds of colors. 8 M