

Code No: **RT42053A****R13****Set No. 1****IV B.Tech II Semester Supplementary Examinations, July/August- 2017****HUMAN COMPUTER INTERACTION****(Common to Computer Science & Engineering and Information Technology)****Time: 3 hours****Max. Marks: 70***Question paper consists of Part-A and Part-B**Answer ALL sub questions from Part-A**Answer any THREE questions from Part-B***\*\*\*\*\*****PART-A (22 Marks)**

1. a) Write a short note on four pillars of design. [4]  
b) Explain about Menu maps [4]  
c) Explain the basic goals of language design [4]  
d) Explain the simple stages of action model of system response time and user think time [4]  
e) Explain the forms of traditional paper user manuals [3]  
f) Explain about zoomable image browser [3]

**PART-B (3x16 = 48 Marks)**

2. a) Explain the usability measures, which focus on efficiency, and satisfaction, to do practical evaluation [8]  
b) Explain about User-interface software tools [8]
3. a) Explain about Menus for long lists [8]  
b) Explain the Form-filling design guidelines [8]
4. a) Explain the Command-Organization Strategies [8]  
b) Explain the Speech and Auditory Interfaces [8]
5. a) Explain the Response-time guidelines [8]  
b) Explain the data-display guidelines suggested by Smith and Mosier [8]
6. a) Give the Taxonomy of user manuals, online help, and tutorials [8]  
b) Explain about online tutorials, demonstrations, and guides [8]
7. a) Explain the few alternatives to the form-filling query interface [8]  
b) List the Data types by task taxonomy to identify visualization data types and the tasks that need to be supported. [8]