20 : 1st half-12-(j)JP

Con. 3983-12.

BE (COMP (VIII) (RED) 24/5/2012 Human Computing Interaction (REVISED COURSE) GN-7572

(3 Hours) [Total Marks: 100 N.B. (1) Question No. 1 is compulsory. (2) Attempt any four questions out of remaining. (3) Figures to the right indicate full marks. (4) Assume suitable data wherever required and justify the same. (a) Explain principles of user interface. 5 (b) Explain various types of statistical graphics in brief. 5 (c) Explain influence on icon usability. 5 (d) Explain various types of messages 5 2. (a) Explain the difference between proper menu design and poor menu design with 10 diagrams. (b) Explain following techniques in determining requirements. Categorize them as 10 direct or indirect method. (i) Electronic survey (ii) Card sorting (iii) Facilitated Team Workshop (iv) Trade Show. 3. (a) Explain various New and Navigation schemes selection of window with example. 10 (b) What are mental models and why are they important in interface design? 10 (a) Explain various Colar models. Explain various considerations for choosing 10 4. background and foreground color for web page. (b) Explain proper device based and screen based controls. 10 (a) What are Pointing devices? What tasks and explain about direct control pointing 10 devices. (b) What are human considerations in sources design? Also explain organizing 10 screen elements, ordering of screen data and contents. 6. (a) Explain various interface building tools. 10 (b) Differentiate between Graphical User interface and Web Page design. 10 7. Write short notes on :— (Any two) 20 (a) Speech recognition digitization and generation

(b) Designing for visually impaired

(c) Software tools and specification methods

(d) Designing process to understand business junctions.