G.R. No.		PAPER CODE	

MAY 2022 (ENDSEM) EXAM
T.Y. INFORMATION TECHNOLOGY (SEMESTER - II)
COURSE NAME: HUMAN COMPUTER INTERACTION
COURSE CODE: ITUA32182A
Marking Scheme
(PATTERN 2018)

Time: [1Hr]   [Max. Marks: 30]

Instructions to candidates:
1) **Figures to the right indicate full marks.**
2) **Use of scientific calculator is allowed**
3) **Use suitable data where ever required**

Question No.	Question Description	Marking Scheme	Marks
Q.1	a) Create Information Architecture for Web design.	a) Step-by-Step IA showing home page and other pages with hierarchy.	[4]
	b) Elaborate on the steps required to conduct card sort for a new website.	b) Choose a set of topics. The set should include 40–80 items that represent the main content on the site. ... User organizes topics into groups. ... User names the groups. ... Debrief the user. ... If needed, ask the user for more-practical group sizes. ... Repeat with 15–20 users. ... Analyze the data.	[6]
	OR		
	b) Explain the Balancing Function and Fashion in HCI which deals with six design matters that are functional issues with varying styles/solutions to suite a variety of users.	c) Error messages, Non-anthropomorphic design, Display design, Web page design, Window design, Colour	[6]

Q2	a) List Shneiderman's Eight Golden Rules of Interface Design.	a) 0.5 marks each	[4]
	b) Discuss any 3 UI evaluation techniques.	b) Any 3-evaluation tech. 2 marks each.	[6]
	OR		
	b) Evaluation occurs in laboratory, field, and/or in collaboration with users. Justify.	c) Evaluation in lab (2), in the field (2), and user collaboration (2).	[6]
Q.3	a) Discuss the benefits and limitations of Cognitive models.	a) 4-benefits and 4-limitations, 0.5 marks each.	[4]
	b) Construct a Hierarchical Task Analysis tree for a task of making a cup of tea.	b) Identify tasks, Plan, and grammar. Draw task analysis tree and show hierarchy.	[6]
	OR		
	b) Develop a KLM model and predict time for the completion of the task "Change font style for the word "KLM" to bold, Arial" using mouse only.	c) Discuss KLM model parameters, identify tasks, and time required for completion.	[6]