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Total Number of Pages : 1

M.TECH

M.TECH 2<sup>ND</sup> SEMESTER (AR 18) REGULAR EXAMINATIONS, APRIL/MAY 2019

HUMAN AND COMPUTER INTERACTION

Branch: CSE, Subject Code:MCSPE2041

Time: 3 Hours

Max Marks : 70

**PART-A****(10 X 2=20 MARKS)****1. Answer the following questions.**

- What is HCI and Who is involved in HCI.
- What are rods and cones?
- Define Cognitive walkthrough.
- State the golden rule of the design.
- What is meant by GOMS? Illustrate with example.
- What is meant by COCOA touch?
- List some of the open source platforms used for mobile HCI development.
- What is the purpose of Drag and Drop?
- What is meant by Hybrid Selection?
- Give an example for multimodal text.

**PART-B****(5 X 10=50 MARKS)****Answer any five questions from the following.**

- Q2.a) Illustrate the similarities and differences in human memory and computer memory. [5]  
 b) Classify mental models, and why are they important in interface design? [5]
- Q3. Express the use of layout and other elements in the control panels. [10]
- Q4. a) List and describe the activities in the life cycle. [5]  
 b) Briefly discuss about the three main approaches to prototyping. [5]
- Q5 a) What is cognitive model? [3]  
 b) Classify cognitive models and discuss the same. [7]
- Q6. a) Design a web interface for a “Library Management System”. [4]  
 b) Compose the functional requirements you are considering. [6]
- Q7. Summarize some of the techniques that are available for producing rapid prototypes. [10]
- Q8. Explain in detail Multimodal System. [10]