



## GIET UNIVERSITY, GUNUPUR – 765022

Ph.D. (Second Semester) Examinations, November – 2023

### WPPECS2015 /PPECS2015 – Human Computer Interaction (CSE)

Time: 3 hrs

Maximum: 70 Marks

The figures in the right hand margin indicate marks.

**Answer ANY FIVE Questions**

**(14 x 5 = 70 Marks)**

|   | Marks |
|---|-------|
| 1.a. What can a system designer do to minimize the memory load of the user?   | 7     |
| b. What do you estimate is the typical capacity of human short-term memory? Explain with help of example to test for short-term memory?                                     | 7     |
| 2.a. What is Moore's law? Explain how Moore's law affects the finite processor speed?   | 7     |
| b. Suggest potential ways of improving the interface to avoid a similar problem recurring.  | 7     |
| 3.a. What is the myth of the infinitely fast machine?   | 7     |
| b. What is meant by software life cycle in HCI?   | 7     |
| 4.a. Explain briefly about socio-organizational issues and how does the stakeholder have to consider any particular issues relating to responsibility, security or privacy? | 7     |
| b. Explain about Norman's Seven Principles for Transforming Difficult Tasks into Simple Ones.   | 7     |
| 5.a. What is the Osta model in HCI? Discuss.  | 7     |
| b. Discuss the challenges and issues in adopting Speech recognition technology.   | 7     |
| 6.a. What are the classification of mobile application development?   | 7     |
| b. Explain the importance of human considerations in user interface design.   | 7     |
| 7 a. What are contextual tools in web designing? Explain with help of examples?   | 7     |
| b. What is menu selection in HCI? Give Some examples.   | 7     |
| 8 a. What are the five types of interaction styles their paradigms of interaction explain?  | 7     |
| b. What are the evaluation techniques for interface design?   | 7     |

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