

[Apr-24]

**GITAM (Deemed to be University)**  
**[CSEN4091]**  
**GST/GSS/GSB/GSHS Degree Examination**

**IV Semester**

**HUMAN COMPUTER INTERACTION**

(Effective from the admitted batch 2021-22)

**Time: 2 Hours**

**Max. Marks: 30**

---

**Instructions:** All parts of the unit must be answered in one place only.

---

**Section-A**

**1. Answer all questions:** **(5×1=5)**

- a) Give the model of short-term memory.
- b) What are the three main approaches to prototyping?
- c) List the various operators in the execution phase of Keystroke level model.
- d) Define open-source platform. Give example.
- e) What is a mutton in contextual tools?

**Section-B**

**Answer the following:** **(5×5=25)**

**UNIT-I**

2. Explain in detail about the Input-output channels of the Human.

**OR**

3. Illustrate the Human computer interaction framework with neat sketch.

**UNIT-II**

4. Discuss about the Norman's seven principles for transferring difficult task to simple one in design?

**OR**

5. Explain the design rationale in detail.

**UNIT-III**

6. Demonstrate the different types of stake holders for a banking system

**OR**

7. Outline the features of a modern word processor break the metaphor of composition with pen (or typewriter) and paper?

**UNIT-IV**

8. Differentiate Mobile applications and widgets with example.

**OR**

9. Analyze the mobile ecosystem with relevant diagram.

**UNIT-V**

10. Elaborate on the different types of inlays.

**OR**

11. Discuss about the Events and actors during the drag and drop interaction.