GITAM (Deemed to be University)

GST/GSS/GSB/GSHSS Degree Examination

VI Semester

CSEN4091 : HUMAN COMPUTER INTERACTION

Time: 2 Hours   Max. Marks: 30

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

Section - A

1. **Answer all questions**   (5x1=05)

a. Evaluate movement time using Fitts' law to predict performance using an example.

b. What is one common principle of design rules?

c. What is the purpose of using cognitive models in HCI?

d. Differentiate between usability engineering and iterative design.

e. What is static web content?

Section - B

Answer the following   (5x5=25)

UNIT - I

2. Compare and contrast traditional keyboards with alternative text input devices.

OR

3. Explain how users apply reasoning when interacting with computer systems.

UNIT - II

4. Discuss the challenges of information retrieval on the web.

OR

5. Explain the importance of usability engineering in the software life cycle.

UNIT - III

6. Discuss the advantages of using Open System Task Analysis for designing adaptive and flexible user interfaces.

OR

7. Compare and contrast face-to-face communication models with computer-mediated communication models.

UNIT - IV

8. Explain the term Mobile 2.0 and how it differs from earlier mobile technologies

OR

9. Assess the benefits and limitations of using heuristic evaluation for mobile app design.

UNIT - V

10. Create a process flow for a user registration system that includes inlays for additional help. Explain the steps and how the inlays support user navigation.

OR

11. List the primary uses of contextual tools in web applications.