

CSA021 Unit 1 & Unit 2 Assignment

Note: **All Questions are compulsory.**

Q.1 What is HCI (Human-Computer interaction)? What are the characteristics of HCI?

Q2. Describe the Human Interaction interface with the computer? Models of Interaction or Interaction styles?

Q3. write short notes below in the context of HCI

- I/O channels
- Memory access Methods
- Interaction design (2D,3D)
- Iconic memory
- Haptic memory
- Echoic memory

Q4. Describe the Limitation of the network and its impact on system performance?

Q5. Suggest ideas for an interface that uses the properties of sound effectively.

Q6. Describe the model of the structure of human memory along with its capabilities and limitations.?

Q7. Differentiation between Deductive reasoning, Inductive reasoning, and Abductive reasoning with examples.

Q.8 Describe in detail Ben Shneiderman's Eight Golden Rules of interface design.?

Q.9 Define User-Centered Design (UCD) as an iterative design process with the help of diagrams.?

Q.10 Differentiate between UI and UX Design.

Q.11 What are the goals of interactive system design with respect to usability engineering?

Q.12 Elaborate the ways in which Long- Term memory can be triggered in humans.?

Q.13 Discuss Five dimensions of Interaction Design (IxD).

Q.14 What are the two major forms of long term memory? Explain with examples.