

R18

Code No: 158BE

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year II Semester Examinations, July/August - 2022

HUMAN COMPUTER INTERACTION

(Common to CSE, IT)

Time: 3 Hours

Max.Marks:75

**Answer any five questions
All questions carry equal marks**

- 1.a) Discuss in detail the importance of user Interface.
b) What is a Graphical System? Explain its characteristics. [7+8]
- 2.a) List out the benefits of Good Design.
b) What is GUI? Explain in detail the popularity of Graphics. [7+8]
- 3.a) Write a detailed note on Human Interaction with computers.
b) List out Design Goals of Screen Designing. [7+8]
- 4.a) Discuss in detail the importance of human characteristics and human consideration.
b) Write a detailed note on Technological Consideration in Interface Design. [7+8]
- 5.a) Define Windows. Explain in detail New and Navigation schemes selection of window.
b) Write a detailed note on selection of devices based and screen based controls. [8+7]
6. What are Components? Explain in detail about Icons and Colors. [15]
- 7.a) Discuss about HCI in the Software Process.
b) Write a detailed note on Design rules Principles to support usability. [6+9]
- 8.a) Write a detailed note on Cognitive models Goal and task hierarchies.
b) Explain in detail the Applications of augmented reality Information and data visualization. [7+8]

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