

Code No: 127DT

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B.Tech IV Year I Semester Examinations, May/June - 2019

HUMAN COMPUTER INTERACTION

(Information Technology)

Time: 3 Hours

Max.Marks:75

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART- A

(25 Marks)

- 1.a) What is meant by good user interface? [2]
- b) Present a note on web popularity. [3]
- c) What is a screen? [2]
- d) State the screen design goals. [3]
- e) What is an icon? [2]
- f) What is image map? [3]
- g) What are the advantages of transition diagrams? [2]
- h) Compare java script and html. [3]
- i) What is meant by digital video? [2]
- j) What are the various types of printers? [3]

PART-B

(50 Marks)

- 2.a) Explain in detail the importance of the user interface for success of a software.
 - b) Discuss the history of screen design. [5+5]
- OR**
- 3.a) Discuss in detail about graphical systems.
 - b) Write short notes on web interface designs. [5+5]
- 4.a) What are the various interaction styles? Explain.
 - b) Write short notes on human interaction speed. [5+5]
- OR**
- 5.a) Explain about read-only screens.
 - b) What is the role of screen navigation and flow in screen design? [5+5]
- 6.a) Write short notes on links and actions in web page.
 - b) Write short notes on window management. [5+5]
- OR**
- 7.a) What is message? Explain various types of messages.
 - b) Discuss the procedure for choosing colors in screen design. [5+5]

- 8.a) Explain about dialog box trees.
b) Explain state-chart diagram with example. [5+5]

OR

- 9.a) Write short notes on software engineering tools.
b) Present short notes on JavaScript with example. [5+5]

- 10.a) Explain about ABCDE layout of keyboard.
b) Write short notes on drivers. [5+5]

OR

- 11.a) What is speech digitization and generation? Explain.
b) Discuss about CRT display devices. [5+5]

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