



(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 0920

Roll No.

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**B.Tech**

(SEM VII) ODD SEMESTER THEORY EXAMINATION 2009-10  
HUMAN COMPUTER INTERACTION

Time : 3 Hours]

[Total Marks : 100

- Note :** (1) Attempt all questions.  
(2) Each carries equal marks.

1 Attempt any **two** of the following : **10×2=20**

- (a) Explain the role of pointing device in interaction. Also explain the principle of any one of pointing device.
- (b) Define the analogy and rationality of ICON, MENUS interface. Also give examples.
- (c) What do you understand by user centered design of system? Explain in detail with suitable examples.

2 Attempt any **two** parts of the following : **10×2=20**

- (a) Write down the importance of presentation. What are major features of a good presentations ?

- (b) Explain the role of user documentation in HCI. What are the major parameters on which documentation should be done?
- (c) Write short notes on following :  
(i) Usability of user interface  
(ii) Testing of user interface.

3 Attempt any **two** parts of the following : **10×2=20**

- (a) Explain the meaning of hypertext and how it is different from normal text. Discuss various elements of hypertext. Describe at least 10 tags used in HTML.
- (b) How a website is uploaded and how interfaces are created through web pages?
- (c) Write short notes on following :  
(i) Virtual reality  
(ii) Cognitive issues in interaction.

4 Attempt any **two** of the following : **10×2=20**

- (a) Explain the role of human factors in user centered design.
- (b) Explain the major features of interactive design. Also explain the tool 'rapid prototyping' in interactive design.
- (c) Write short notes on following :  
(i) Development of user centered design  
(ii) Evaluation of user centered design.

5 Attempt any **two** parts of the following : **10×2=20**

- (a) List the major categories that affect learnability and explain them in detail.
- (b) Write down the criteria for acceptability. "Acceptability leads to healthy interaction". Justify the statement.
- (c) Discuss the design guidelines for design of human computer interface.