

C 18264

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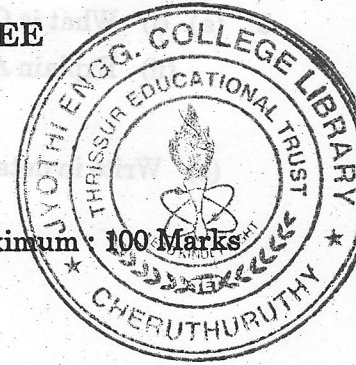
Reg. No.....

SIXTH SEMESTER B.TECH. (ENGINEERING) DEGREE
EXAMINATION, JUNE 2011

IT 04 605—HUMAN COMPUTER INTERACTION
(2004 admissions)

Time : Three Hours

Maximum : 100 Marks



Answer all questions.

Part A

1. (a) How psychology plays role in interaction design ?
- (b) Differentiate printing and scanning.
- (c) Outline the design process in brief.
- (d) What is design for diversity ? Explain.
- (e) What are the features of linguistic model ?
- (f) Define Task analysis.
- (g) Explain computer mediated communication.
- (h) What is wearable computing ?

(8 × 5 = 40 marks)

Part B

2. (a) (i) Explain the role of human memory and emotion in interaction design. (8 marks)
- (ii) Write note on Framework of HCI. (7 marks)

Or

- (b) (i) Explain devices used for virtual reality. (8 marks)
- (ii) Discuss various interaction paradigms. (7 marks)

3. (a) (i) Assume you are asked to develop a software for a banking application. Discuss the screen layout and design needed for the same. (8 marks)

- (ii) What are user interface management systems ? Explain. (7 marks)

Or

- (b) (i) Write note on prototyping. (8 marks)
- (ii) Discuss the features involved in multimodel interaction. (7 marks)

4. (a) (i) Discuss the socio-organizational issues involved in HCI. (8 marks)

- (ii) With an example, explain how 'dialog' oriented approach helps in interaction designs. (7 marks)

Or

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(b) (i) Explain the device models used in HCI. (8 marks)

(ii) Write note on Data Visualization. (7 marks)

5. (a) (i) What is Groupware ? Explain the framework for the same ? (8 marks)

(ii) Explain Augmented reality in detail. (7 marks)

Or

(b) Write in detail shared applications and artifacts. (15 marks)

[4 × 15 = 60 marks]

