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(Pages 2)

Name .....

Reg. No. ....

**SIXTH SEMESTER B.TECH. (ENGINEERING) DEGREE  
EXAMINATION, JUNE 2009**

**IT 04 605—HUMAN COMPUTER INTERACTION**

**(2004 Admissions)**



Time : Three Hours

Maximum : 100 Marks

*Answer all questions.*

- I. (a) Differentiate between long-term and short-term memory.
- (b) Discuss about the text entry devices.
- (c) What do you mean by design ? Discuss the golden rule of design.
- (d) Write a note on the process oriented design rationale.
- (e) Discuss the socio-organisational issues.
- (f) Differentiate between state chart and flowchart with the help of examples.
- (g) Write a note on groupware systems.
- (h) Explain about augmented reality.

(8 × 5 = 40 marks)

2. (a) (i) Discuss in detail about the positioning and pointing devices.
- (ii) Describe the design of interactive system for psychology.

*Or*

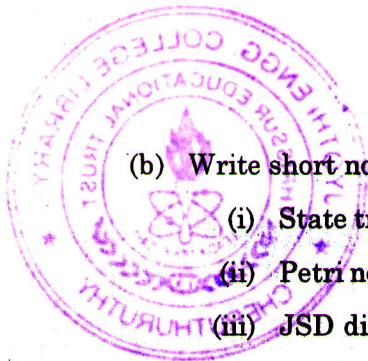
- (b) Explain in detail the different paradigms for interaction.
3. (a) Explain in detail the principles to support usability.

*Or*

- (b) (i) Describe some of the different approaches to providing user support system with examples.
- (ii) What are the four main types of help that users may require ? For each type give an example of a situation in which it would be appropriate.
4. (a) Write short notes on :
  - (i) Linguistic models.
  - (ii) Physical and device models.

*Or*

**Turn over**



(b) Write short notes on :

- (i) State transition nets.
- (ii) Petri nets.
- (iii) JSD diagrams.

5. (a) Explain in detail, how do you think groupware is likely to affect our lives in future. Justify your answer with examples.

Or

- (b) (i) Explain in detail about virtual and augmented reality.
- (ii) Write a detail note on information and data visualization.

(4 × 15 = 60 marks)