D 32023　　　　　　　(Pages : 2)
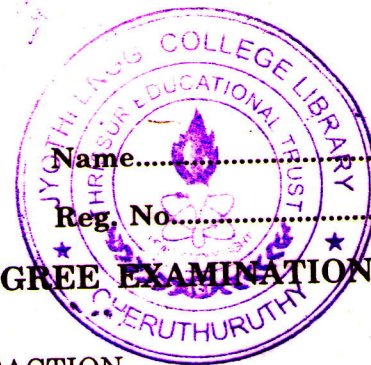
SIXTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION JUNE 2007

IT 04 605—HUMAN COMPUTER INTERACTION

(2004 admissions)

Time : Three Hours　　　　　　　　　　　　　　　　　　　Maximum : 100 Marks

Answer **all** *questions.*

Part A

1. (a) Briefly discuss about the positioning and pointing devices.

   (b) Discuss briefly on the elements of WIMP interface.

   (c) How will you learn the rules from HCI patterns ?

   (d) Explain about the evaluation through user participation.

   (e) Discuss the socio-organizational issues.

   (f) Write a note on dialog notation.

   (g) Describe the framework used for group ware.

   (h) Explain about ubiquitous computing.

   　　　　　　　　　　　　　　　　　　　　　　　　　　　　(8 × 5 = 40 marks)

Part B

2. (a) (i) Write briefly about human memory, thinking capacity and emotion.　　(9 marks)

   　　(ii) Describe the design of interactive systems for psychology.　　(6 marks)

   Or

   (b) Discuss the following :—

   　　(i) Devices used for virtual reality.　　(8 marks)

   　　(ii) Paradigms for interaction.　　(7 marks)

3. (a) (i) Discuss briefly about the software protyping and techniques used for it.　　(10 marks)

   　　(ii) Write about golden rules sample.　　(5 marks)

   Or

   (b) (i) Explain the elements of windowing systems.　　(8 marks)

   　　(ii) Explain the multi-model interaction of universal design principles.　　(7 marks)

4. (a) (i) Briefly discuss the Cognitive and Linguistic models.　　(8 marks)

   　　(ii) Write down the uses of task analysis.　　(7 marks)

   Or

Turn over

(b) (i) Write briefly about diagrammatical and Textual dialog notations. (8 marks)

    (ii) Discuss on dialog analysis. (7 marks)

5. (a) Explain the following :—

    (i) Computer mediated communication. (8 marks)

    (ii) Framework for Group ware. (7 marks)

Or

(b) Discuss in detail about Information and data visualization. (15 marks)

[4 × 15 = 60 marks]