

Code: R7420506

R7

B.Tech IV Year II Semester (R07) Advanced Supplementary Examinations, June 2012

HUMAN COMPUTER INTERACTION

(Computer Science and Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions

All questions carry equal marks

- 1 Give a brief history of the human-computer interface.
- 2 (a) State and explain various characteristics of the graphical user interface.
(b) What are the principles established the foundation for graphical interfaces?
- 3 (a) Discuss how people interact with computers.
(b) Give a variety of attributes that have an important influence on interface and screen design.
- 4 List various statistical graphic forms. Explain surface charts, bar graphs and histogram with suitable examples.
- 5 (a) Which is the most popular windowing system? Explain the components of the popular windowing system.
(b) Explain the characteristics and capabilities of the various screen-based controls.
- 6 (a) Briefly explain about icon animation and audition.
(b) How to choose the proper colors for textual graphic screens? Explain.
- 7 Clearly explain the user-interface specification methods.
- 8 Write a short notes on:
 - (a) Function keys.
 - (b) Direct-control pointing devices.
 - (c) Discrete-word recognition.
