

Code: 06MC404B

MCA IV Semester Supplementary Examinations September/October 2014

**HUMAN COMPUTER INTERACTION**

(For students admitted in 2008 only)

Time: 3 hours

Max Marks: 60

Answer any FIVE questions

All questions carry equal marks

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- 1 (a) What are the benefits of good design? Explain in detail.  
(b) Write short notes on history of screen design.
- 2 (a) List and explain the characteristics of direct manipulation systems.  
(b) Describe the characteristics of GUI.
- 3 (a) Explain the various important human characteristics that has to be considered in a design of interface.  
(b) Summarize the direct methods for determining requirements.
- 4 (a) Explain how to order the screen data and content.  
(b) What are the techniques used for screen navigation and flow? Explain clearly.
- 5 Write short notes on (mention advantages and disadvantages):
  - (a) Track ball.
  - (b) Light pen.
  - (c) Keyboard.
- 6 (a) Explain the guidelines for icon design.  
(b) Give brief note on icon animation and audition.
- 7 (a) Explain the features of user interface building tools.  
(b) Explain the role of transition diagrams in user interface design with the help of examples.
- 8 Write short notes on:
  - (a) Pointing devices.
  - (b) Printers.
  - (c) Discrete word recognition.

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