Code: 9F00504b

MCA V Semester Regular & Supplementary Examinations December 2015

HUMAN COMPUTER INTERACTION

(For 2010, 2011, 2012 & 2013 admitted batches only)

Time: 3 hours   Max. Marks: 60

Answer any FIVE questions
All questions carry equal marks
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1 (a) Define user interface and explain the importance of user interface.
   (b) Explain the different steps of good screen design.

2   Explain in detail about the design goals in creating a user interface.

3 (a) Explain the following human characteristics that have impact on interface and screen design:
        (i) Perception. (ii) Memory.
   (b) What are the physical characteristics of people that affect the performance of the system? Explain.

4 (a) Discuss in detail about ordering of screen data and content in screen design.
   (b) Discuss about screen navigation and flow in screen designing.

5   What is meant by screen based control? Discuss about operable controls and selection controls.

6 (a) Discuss briefly about types of common message.
   (b) What factors influence an icon's usability?

7   What are the software tools that can be helpful for user interface design? Explain them in detail.

8   Explain speech recognition, digitization and generation in detail.

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