

Code No: R6-R7-49

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

MCA IV Semester Supplementary Examinations January 2010

HUMAN COMPUTER INTERACTION

Time: 3 hours

Max.Marks:60

Answer any FIVE questions

All questions carry equal marks

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1. a) Discuss the importance user interface.
b) What are the characteristics of a good user interface design?
2. a) Explain the basic principles of a user interface.
b) Give brief note of the following object relationships:
i) Collection ii) Constraint iii) Composite iv) Container
3. Explain the need to balance automation and human factors?
4. a) With an example, explain how much amount of information we can display on a screen.
b) Explain about segmented bar graphs.
5. a) Explain steps for multiple window design.
b) What is the coordination by tightly coupled windows?
6. How to choose different colors for designing of foreground and background.
7. Describe the following specification methods
(a) Transition diagrams
(b) State charts
8. Explain the following:
(a) Image and video displays
(b) Pointing devices
