R09

Code No: F3509

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
MCA V Semester Examinations, January - 2018
HUMAN COMPUTER INTERACTION

Time: 3hrs   Max.Marks:60

Answer any five questions
All questions carry equal marks
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1.a)   What are the advantages and disadvantages of graphical systems? Discuss.
 b)   List and explain any five characteristics of GUI.   [6+6]

2.a)   Discuss the process of determining basic business functions.
 b)   What is the effect of user's knowledge and experience on system's design?
      Discuss.   [6+6]

3.   Discuss in detail about components and presentation styles of windows with suitable
      illustrations.   [12]

4.a)   How screen based controls are used in the web interface? Explain.
 b)   Explain different types of menus and their functions.   [6+6]

5.   Explain the characteristics and capabilities of the following screen-based controls:
      a) Custom controls
      b) Combination entry / Selection control
      c) Text entry/read-only controls.   [12]

6.a)   Explain the features and uses of interface building tools.
 b)   Discuss about TCL and Java Scripting languages.   [6+6]

7.a)   What are the advantages and disadvantages of transition diagrams? Explain.
 b)   Write in brief about the guidelines, advantages, disadvantages, uses of image maps, video
      and animation.   [6+6]

8.   Write short notes on the following:
      a) Speech digitization and generation
      b) Digital photography and scanners.   [6+6]

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