Code No: 117DT

R13

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year I Semester Examinations, November/December - 2017
HUMAN COMPUTER INTERACTION
(Information Technology)

Time: 3 Hours   Max. Marks: 75

Note: This question paper contains two parts A and B.
Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART- A

(25 Marks)

1.a)	What are the characteristics of web pages?	[2]
b)	What are the problems with direct manipulation?	[3]
c)	What is the objective of requirements analysis?	[2]
d)	What are the psychological user responses to poor design?	[3]
e)	What are the strengths and weaknesses of cascading menus?	[2]
f)	Differentiate between system, status and warning messages.	[3]
g)	What is the use of state charts? Explain.	[2]
h)	What are the features of Galaxy scripting language?	[3]
i)	What are the indirect control pointing devices?	[2]
j)	What are the advantages and limitations of Plotters?	[3]

PART-B

(50 Marks)

2.a)	Explain the principle of uniformity in user interface design.	
b)	Discuss about container objects in detail.	[5+5]

OR

3.a)	What are the difficulties in designing web interface design? Explain.	
b)	List and explain the benefits of good design.	[5+5]

4.a)	Explain the process of determining basic business functions.	
b)	What are the problems with search facility? Discuss.	[5+5]

OR

5.a)	What are the important human characteristics that have an influence on design?	
b)	Write about the qualities of screen elements.	[5+5]

6.a)	Write the guidelines for presenting error messages on web.	
b)	What are the components of a web navigation system? Explain.	[5+5]

OR

7.a)	List out the factors for using icons and explain.	
b)	What are the functions of menus? Explain them in brief.	[5+5]

8.a)   Describe grammars specification method.
  b)   What is the role of CASE tools in building user interface?   [5+5]

OR

9.a)   What are the advantages and disadvantages of Transition diagrams? Explain.
  b)   Discuss in detail about Dialog-box Trees.   [5+5]

10.   Explain the features of the following keyboard layouts:
       a) QWERTY   b) DVORAK   [5+5]

OR

11.a) List and explain about different types of mouses and their operations.
   b) What are the features of Display devices? Discuss.   [5+5]

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