Printed Pages : 1 | Roll No. | | | | | | | | | | | NCS070

B.TECH.
THEORY EXAMINATION (SEM–VI) 2016-17
HUMAN COMPUTER INTERFACE

Time : 3 Hours *Max. Marks : 100*

Note : Be precise in your answer. In case of numerical problem assume data wherever not provided.

SECTION – A

1. Explain the following: **10 x 2 = 20**

(a) What are the two stages of vision?

(b) List the principles of a software design in HCI.

(c) Mention the four main translations involved in the interaction.

(d) What are the different types of design rationale?

(e) Enlist principles affecting robustness.

(f) Mention few elements of windowing systems.

(g) What are the properties of windows?

(h) What is known as Cascading Window?

(i) Write a note on drivers.

(j) Mention function keys along with description.

SECTION – B

2. Attempt any five of the following questions: **5 x 10 = 50**

(a) Define Graphical User Interface. Discuss the importance of GUI also write the characteristics of the Graphical User Interface.

(b) Explain in detail about human memory systems?

(c) Discuss the important human characteristics which have influence on interface and screen design.

(d) Briefly describe the information retrieval on web.

(e) How to organize a display. Explain how to get user's attention.

(f) Discuss the brief history of screen design.

(g) Write short notes on software tools.

(h) Explain the Indirect pointing devices and drivers.

SECTION – C

Attempt any two of the following questions: **2 x 15 = 30**

3 Write short notes on

(i) Text (ii) Hypertext (iii) multimedia

4 Define the following with respect to window

(i) Tool bar (ii) Split box

(iii) Command area (iv) Work area

(v) Menu bar

What are the guidelines to be followed for creating text for web pages? Explain

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