

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

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