C

Reg. No. :

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|

**Question Paper Code: 54803**

B.E./B.Tech. DEGREE EXAMINATION, MAY 2018

Information Technology

15UIT403– INTRODUCTION TO HUMAN COMPUTER INTERACTION

(Regulation 2015)

Duration: Three  hours                                          Maximum: 100 Marks

PART A - (5 x 1 = 5 Marks)

1. Which of the following is not an influence of HCI?                          CO1- R

   (a) ergonomics                              (b) cognitive psycology

   (c) computer science                        (d)all of the above are an influence of HCI

2. Which of these is not a interface style?                                     CO2 -R

   (a) Command line                            (b) Menu

   (c) natural language                        (d) voice recognition

3. An icon of a file holder, which users can drop files on inorder to move      CO3 -R
   them into a folder, is an example of which of the following

   (a)"recognition rather than recall" principle   (b)direct manipulation

   (c) a metaphor                              (d) all of the above

4. In virtual reality which of the senses cannot currently be portrayed?        CO4- R

   (a) Touch            (b)Hearing            (c) Sight            (d) Smell

5. You drag a folder to make a copy of its content. An animation appears        CO5- R
   on the screen, showing files moving from one folder to another. This is
   an example_____.

   (a) visibility       (b) mapping           (c)feedback          (d) affordance

## PART – B (5 x 3= 15Marks)

6.  List any two significant features of direct manipulation graphical interface.      CO1 -R

7.  All designs are unique. How can a company get the expected design for the required software from the employee?      CO2- R

8.  How will you choose an appropriate devise- based control for your UI design?      CO3- R

9.  Discuss any four standard coloring rules to be adopted for web design.      CO4- R

10. Suggest any two user interface software tools that you have used and explain the novelty in them.      CO5- R

## PART – C (5 x 16= 80Marks)

11. (a) Suppose you were appointed as UI design engineer in Amazon, You have been asked to create a low level design for "ordering oppo f1s mobile" from list of mobiles. How can you do that if user is making cash on delivery option (COD)?      CO1 -App      (16)

Or

(b) Are there any rules available for interface design? If so, discuss in detail for the benefit of designers.      CO1 -App      (16)

12. (a) Explain the usability measures, which focus on efficiency and satisfaction, to do practical evaluation of the UI that has been designed for a banking enterprise.      CO2- App      (16)

Or

(b) Analyze the advantages and disadvantages of menu designs in any of the applications you have come across and explain the need for having graphical menus in applications.      CO2 -Ana      (16)

13. (a) Discuss the various window characteristics and components to be considered while designing a user interface.      CO3- Ana      (16)

Or

(b) Develop a window based application for an e-commerce web portal applying various combinations of controls that you feel is suitable.      CO3 -Ana      (16)

**54803**

14. (a) Explain the principles and rules to be followed while you place   CO4 -U   (16)
text in a web page.

<div align="center">Or</div>

(b) Discuss in detail the effective ways of placing images and icons   CO4 -Ana   (16)
in web pages.

15. (a) Explain the various testing strategies employed to find the issues   CO5- U   (16)
faced by a user while using the UI designed for an application.

<div align="center">Or</div>

(b) Discuss the types of searches available in multimedia documents.   CO5- U   (16)

-

**54803**

54803