

Institute of Information Technology

Jahangirnagar University
Professional Masters in IT

Special Final Examination

Duration: 3 Hours

Course Code: PMIT-6311

Semester: Spring 2019

Full Marks: 60

Course Title: Human Computer Interaction

Do not write anything on the question paper.
There are **7 (Seven)** questions. Answer any **5 (Five)** of them.
Figures in the right margin indicate marks.

1. a. Discuss the advantages and disadvantages of GUI. [5]
b. Difference between the characteristics of Young and old Adults. [2]
c. Write short note and differentiate between direct and indirect manipulation. [2+3]
2. a. What is meant by user interface design? What is the importance and benefit of good interface design? [1+4]
b. Discuss in detail about structure and functions of menu with suitable illustrations. [4]
c. Write short note on WUI web user interface. [3]
3. a. "A Web interface possesses a number of characteristics, some similar to a GUI interface, and, some different." show it by table. [8]
b. Give the characteristics of [2+2]
i. Intranet vs. Internet
ii. Printed vs. Webpage
4. a. What are the obstacles encountered in user interface design process? Discuss the impact of human characteristics in design with suitable example. [2+2]
b. Explain the importance of usability with its measures. [4]
c. Is human considerations in design is important. Justify. [4]
5. a. List down the general steps to be performed during business analysis. [3]
b. Define GUI. Why graphical interface is more popular than text interface? [2]
c. Is guidelines and standard important to good design? Explain. [3]
d. With example prove that GUI is object or data oriented. [4]
6. a. Explain the activities in the software lifecycle using the waterfall model [5]
b. What do you mean by Issue-based information system (IBIS)? Draw the structure of gIBIS. [1+2]
c. Show all the paradigms of user interface starting from batch processing to ubiquitous computing. [4]
7. a. What are the stages of Donald Norman's model of interaction? [3]
b. What is WIMP Interface? Explain each components of WIMP Interface. [1+4]
c. How Indirect manipulation is used in offices and industries? Explain with figure and examples. [4]