

IQRA National University, Peshawar

Department of Computer Science

Summer Semester / Examination, Date: 23rd Sep, 2020

Final – Semester Examination

Instructor: Mr. Shahab Ul Islam

Total Marks: 80



HUMAN COMPUTER INTERACTION

Instructions:

- All questions are compulsory.
- Marks of each question are mentioned with it.
- **Marks will be given as per the DEPTH of the answer, not LENGTH. (Kindly don't write lengthy stories, just to the point)**
- No *Out sourcing* please (Save that to IT Companies).
- For this paper, you'll not be required to borrow anything from anyone.

Question 1: (04)

Write and explain the main goals of HCI?

Question2: (06)

Write and explain the terms of interaction.

Question 3: (08)

Write the 8 Golden Rules of Shneiderman.

Question 4: (06)

What is Paradigm, and what do you mean by paradigm shift?

Question5: (06)

Explain Design Rationale. Write and explain the types of design rationale.

Question 6: (10)

Find the web pages that illustrate the principle of consistency. You must provide on good and one bad example of consistency. You must provide the screen shot of web pages along with URL and the written explanation justifying your good and bad example in your answer. To provide the relevant examples browse the internet.

Question 7: (10)

You are familiar with Google Chrome. Explain any five usability goals in terms of Google Chrome. Justify each goal with example.

- Question 8:** (10)
- a) Differentiate slip and mistake. (04)
 - b) Explain the Fit's law in your own words. (06)

- Question 9:** (10)
- a) Differentiate between perception and recognition. (04)
 - b) Explain the steps involved in perceptual process. (06)

- Question 10:** (10)
- a) Why we need to study HCI? (05)
 - b) Explain WYSIWYG. (05)