

Programme Name: \_\_\_\_\_\_\_\_**BCS HONS**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Course Code: \_\_**CSC 2201**\_\_\_\_\_\_\_

Course Name: \_\_\_\_\_\_\_\_**Human Computer Interaction**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Reschedule Examination**

Date of Submission: \_\_\_\_\_\_2/24**/2020**\_\_\_\_\_\_\_\_\_\_\_\_\_

**Submitted By: Submitted To:**

Student Name**: CSC\_2201\_Dipesh Tha Shrestha** Faculty Name**: AKASH DEO**

IUKL ID: **041902900028** Department**: LMS**

Semester**: Third Semester**

Intake**: September 2019**

1. **Give proper reasoning.**

**a. What is HCI, Interface and usability?**

**Answer**:

**HCI** stand for human-computer interaction. HCI is the study of how human interact with computers and to what extent computers are or are not developed for successful interaction with human beings.

Interface can be define as a device or program enabling a user to communicate with a computer.

Usability is the measure of a product's potential to accomplish the goals of the user.

**b. Identify FIVE (5) software usability issue in your daily life?**

**Answer**: FIVE (5) software usability issue in your daily life are given below:

* Unattractive design
* Small fond size
* Tiny Text link
* Unclear navigation
* Poor image quality

c. **What you understand by usability? Give TWO (2) examples with reasoning**

**Answer:**

Usability can understand as the capacity of a system to provide a condition for its users to rehearse the tasks successfully, effectively, and efficiently while enjoying the experience.

Example of usability are given below:

* Controllable: website or software should be capable of being directed or influenced.
* Human Friendly: Software or Website shoud be easy to interact and navigate.

d. **Explain the different types of characteristics involved in creating interface?**

**Answer:** The different types of characteristics involved in creating interface

* Clear and Simple : A decent UI gives an unmistakable comprehension of what's going on in the background or gives perceivability to the working of the framework. The entire reason for UI configuration is to empower the client to associate with your framework by imparting significance and capacity. Ui should be simple so that everyone can used it.
* Creative and familiar : When the users are familiar with something and know how it behaves, navigation becomes easier. In effect, the user expects to see what is familiar to him or her. It is good to identify things that your users are accustomed to and integrate them into your user interface. So ui should be familiar so that it will be easy to use by all the people form different age group.

2. **Design and process**

**a. What are the different step, constrains, models and process needed to design an interface while designing a software?**

**Answer:** The different step, constrains, models and process needed to design an interface while designing a software are given below:

* Step needed to design an interface while designing a software are:
* Planning
* Analysis
* Designing
* Testing
* Maintenance
* Constrains needed to design an interface while designing a software are:
* Cost
* Risk
* Benefits
* Quality
* Scope and Time

b**. Define in terms of software design**

**i. Participatory design** :Participatory design is a process for designing the software or systems involving human work, based on the argument that users should be involved in designs they will be using, and that all stakeholders, including and especially users, have equal input into interaction design.

ii. **Project planning** : Project planning can be define as a step or a process for stating how to complete a project within a certain timeframe, usually with defined stages, and with designated resources

iii. **Secluding resources:** Secluding Resources are the type of resource which is seclude or keep (someone) away from other people while designing the software.it is a resource which is kept away from other people.

3. **Design an interface model for a university website. Need to present and draw all task and scenario, sub scenario with proper analysis. A proper strategy need to be present for end solution.**

**Answer:**

As you see in this table there is a university called Sunway university in which there is student, staff, administration, and teachers. The administration can login and logout in it. Administration provide support to all staff, students and teachers. Administration commands the all the staff, students and teachers to their respective works.

As for the teachers they should provide notes for the students, check their assignment. As for the students, they can take their attendance, ask teacher for notes and assignment. And can submit their homework and assignment. They can aslo download the notes and book provided by teacher. as for other, they can contact the university and can get detail of university.

