User Interaction Design IT

B.E. (IT) (Sem -VIII) (DLOC) (CBCGS)

University of Mumbai
Examinations Summer 2022

Time: 2 hour 30 minutes

Max. Marks: 80

Q1.	Choose the correct option for following questions. All the Questions are compulsory and carry equal marks
1.	The Design Council of the UK proposed the double-diamond of design which has four phases. Their sequential steps are
Option A:	Define -> Discover -> Develop -> Deliver
Option B:	Discover -> Define -> Develop -> Deliver
Option C:	Discover -> Develop -> Define -> Deliver
Option D:	Define -> Develop -> Discover -> Deliver
2.	Which of these is not a usability goal?
Option A:	Effectiveness
Option B:	Safety
Option C:	Learnability
Option D:	Portability
3.	An outline of what people can do with a product and which concepts are needed for the user to understand how to interact with it is known as:
Option A:	Concept
Option B:	Conceptual Design
Option C:	Conceptual Model
Option D:	Conceptual list
4.	_____ is what goes on in our heads when we carry out our everyday activities.
Option A:	Interaction
Option B:	Cognition
Option C:	Motivation
Option D:	Conceptualization
5.	Operations like Selecting, dragging, opening, closing, zooming in and out using touch gestures on a smartphone are all examples of which type of interaction
Option A:	Instructing
Option B:	Manipulation
Option C:	Conversing
Option D:	Exploring
6.	According to UID Theory, What is pilot study?
Option A:	study done before the main study
Option B:	study done after main study
Option C:	study done with main study
Option D:	study done after feedback
7.	_____ means to employ different data gathering techniques.
Option A:	Triangulation of data
Option B:	Investigator triangulation
Option C:	Triangulation of theories
Option D:	Methodological triangulation

8.	A Prototype is important as it provides a ......
Option A:	Mini-Model of existing System
Option B:	Manifestation of a design that allows stakeholders to interact with it and to explore its suitability
Option C:	Working Model of existing System
Option D:	can be applied only to the newly created product
9.	Which of the following does not include in Shneiderman's 8 golden rules?
Option A:	Support internal locus of control
Option B:	Permit easy reversal actions
Option C:	Offer informative feedback
Option D:	Maintain the System frequently
10.	In a heuristic evaluation:
Option A:	A group of psychologists administer a questionnaire
Option B:	A group of usability experts review a user interface according to a small set of principles
Option C:	A group of test users conduct a formal experiment
Option D:	A group of usability experts judge an interface with a detailed checklist of guidelines

Q2. (20 Marks)	Solve any Two Questions out of Three	10 marks each
A	Describe four basic activities of Interaction Design.	
B	Compare Controlled Setting, Natural Setting, and Any Setting Evaluation.	
C	What do you mean by low-fidelity and high-fidelity prototyping? Explain with examples.	

Q3. (20 Marks)	Solve any Two Questions out of Three	10 marks each
A	Write a note on 10 heuristics by Nielsen.	
B	List various usability inspection methods and summarize cognitive walkthrough techniques.	
C	Describe in detail Cognitive Frameworks.	

Q4 (20 Marks Each)		
A	Solve any Two	5 marks each
i.	Write a note on Good Error Messages with examples	
ii.	Explain Wireframe with suitable example.	
iii.	What is DECIDE framework? Explain	
B	Solve any One	10 marks each
i.	Define usability and identify the most relevant usability goals for Ecommerce website. Also Justify.	
ii.	Write a note on different interview styles.	