Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam – 603 110
(An Autonomous Institution, Affiliated to Anna University, Chennai)
Department of Information Technology
Continuous Assessment Test – II
Question Paper

Degree & Branch	B. E - Common to CSE & ECE branches	Semester	VI
Subject Code & Name	UIT1042 – User Interface Design (Open Elective)		
Time: 90 Minutes Date: 09.05.2022 - FN	Answer All Questions	Maximum: 50 Marks	

(K1 – Remembering, K2- Understanding, K3- Applying, K4- Analyzing, K5- Evaluating, K6 – Creating)

CO1	Analyze and model requirements and constraints for the purpose of designing and implementing user interfaces for software applications
CO2	Design and implement a user interface based on modelling or requirements specification
CO3	Participate in a team to design and implement a user interface based on modelling or requirements specification.

Part – A (5 × 2 = 10 Marks)

1	Differentiate between tooltip from balloon tips.	K2	CO1	1.3.1
2	Write the different ways of selecting menu choices.	K1	CO1	2.2.1
3	Mention the possible screen distractions that can pave way for a bad UI design.	K1	CO2	1.4.2
4	Differentiate cascading and unfolding window design with an example.	K2	CO2	1.3.1
5	Give the usage of What's This? Button.	K2	CO1	1.4.2
6	List the mutually exclusive and non-exclusive choice controls.	K1	CO1	2.2.1

Part – B (3 × 6 = 18 Marks)

7	List the different types of list boxes and explain it with respect to online food ordering application.	K3	CO2	2.1.1
8	Elaborate on the guidelines to be followed in phrasing of menus during the development of system menus.	K1	CO1	2.2.1
9	Explain the Combination Entry/Selection control with diagram for a course registration application.	K3	CO2	2.1.1

Part – C (2 × 10 = 20 Marks)

10	Elaborate on different menu structures, functions of menus, content of menus, formatting options and phrasing the menu by considering a case study of a criminal record management system.	K3	CO2	2.1.1

OR

11	A UI team is assigned for designing the user interface of a new version of Indian government web facility that is used by taxpayers to make their income tax returns online. Mention the different types of graphical controls used for performing the task.	K3	CO3	2.1.1

12	"A customer wants to develop a portal for his shop to encourage their customers for online shopping. His customer can vary from young age to old age. He does not want to unsatisfy his customer to move between many pages and to type more. He needs a portal in such a way that it can also be accessed through keyboard also." Design a screen prototype to satisfy the customer's requirements and justify the components used.	K3	CO2	2.1.1

OR

13	What are the characteristics of windows and mention the ways to select the proper window style by choosing a case study. Also justify how to meet the window characteristics and the necessary components of windows for your case study.	K3	CO2	2.1.