

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI – 600 086
(For candidates admitted from the academic year 2023 – 2024 & thereafter)

M. Sc. DEGREE EXAMINATION, NOVEMBER 2024
INFORMATION TECHNOLOGY
FIRST SEMESTER

COURSE : ELECTIVE
PAPER : UI, UX AND DESIGN THINKING
SUBJECT CODE : 23CS/PE/XI15
TIME : 1½ HOURS **MAX. MARKS: 50**

Q. No.	SECTION A Answer All the Questions	(6 × 5 = 30)	CO	KL
1.	a) Explain Gestalt theory with illustrations. (OR) b) Explain the different elements of visual design.		CO1	1
2.	a) Write short notes on User Research. (OR) b) Explain about the UI design system.		CO1	2
3.	a) Construct a HTML table with all table related tags. (OR) b) Identify the JavaScript DOM in a simple web page.		CO2	3
4.	a) Write short notes on CSS selectors with examples. (OR) b) Illustrate constraint validation API with examples.		CO2	3
5.	a) Explain the five factors/preconditions for users to take actions when interacting with the front-end design. (OR) b) Analyse how responsive grid system will help a front-end design.		CO3	4
6.	a) Summarize the steps involved in a creating wireframe with an example. (OR) b) Demonstrate how animation can be added to a webpage.		CO3	4
Q. No.	SECTION B Answer All the Questions	(2 × 10 = 20)	CO	KL
7.	a) Identify and explain the UI, UX process for creating a website. (OR) b) Explain the steps in creating a user login form using HTML5 and CSS. The form must have fields like name, age, username and password. Add necessary user interactivity and validations using JavaScript.		CO2	3
8.	a) Make use of CSS box model and its importance in frontend user design. (OR) b) Analyse the structure of a HTML5 document with example.		CO3	4