BEARYS INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

I I– Internal Assessment

SEMESTER: VII – BE (CSE) **DATE: 22-11-2024**

SUBJECT: SOFTWARE ARCHITECTURE AND DESIGN PATTERN (21CS741)

TIME: 2.30 P.M – 4.00 P.M

FACULTY: PROF. SUHAIBA **MAX MARKS: 50**

Answer any 2 question(s)

Q.No		PART A	Marks	CO	BT/CL
1	a	Explain structure and participants of composite design pattern	10	CO3	L3
	b	Explain the motivation and applicability of façade design pattern	10	CO3	L3
	c	Explain the structure and implementation of composite design pattern	10	CO3	L3
		OR			
2	a	Describe applications and consequences of Proxy design pattern	10	CO3	L3
	b	Explain the motivation and applicability of composite design pattern	10	CO3	L3
	c	Explain the motivation and related patterns of Proxy design pattern	10	CO3	L3
		PART B			
3	a	Explain Model-View-Controller architecture in detail	10	CO4	L3
	b	Explain three real world examples for the MVC pattern and explain	10	CO4	L3
		OR			
4	a	Describe the use case for a drawing a line and adding a label	10	CO4	L3
	b	Explain sequence diagram for drawing a line along with step	10	CO4	L3

Course coordinator   Module coordinator   HOD   21/11/2024