UPES
End Semester Examination, May 2023

Course: B. Tech.
Program: Big Data
Course Code: CSSC4002P

Semester: 8
Time : 03 hrs.
Max. Marks: 100

Instructions: Attempt all questions.

SECTION A
(5Qx4M=20Marks)

S. No.		Marks	CO
Q 1	Discuss the Intent of proxy design pattern.	4	CO2
Q 2	Explain advantages of architectural design pattern.	4	CO1
Q 3	Discuss the consequences of pipe and filter architectural pattern.	4	CO2
Q 4	Define document view with suitable example.	4	CO3
Q 5	Discuss the impact of design pattern in industry.	4	CO1

SECTION B
(4Qx10M= 40 Marks)

Q 6	Define model-view controller architectural pattern.	10	CO4
Q 7	Explain the steps to implement broker architectural pattern.	10	CO2
Q 8	Differentiate creational and structural design pattern.	10	CO3
Q 9	Explain how and when to use single tone design pattern. OR Discuss Abstract factory design pattern with suitable example.	10	CO2

SECTION-C
(2Qx20M=40 Marks)

Q 10	(i) What are the strength and weakness of strategy design pattern? (ii) Explain structure and collaboration of command design pattern.	20	CO3
Q 11	Write short note on following (i) Proxy pattern (ii) Observer design pattern	20	CO1

| | (iii)   Domain driven design
(iv)   Idioms
<div align="center">OR</div>Explain builder design pattern. Write steps to create builder design pattern. Discuss advantage of factory design pattern. | | |