Code No: 136BC **R16**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech III Year II Semester Examinations, May - 2019
DESIGN PATTERNS
(Computer Science and Engineering)

Time: 3 Hours **Max. Marks: 75**

Note: This question paper contains two parts A and B.
Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART – A

(25 Marks)

1.a)	What is Design Pattern? Explain it.	[2]
b)	Briefly discuss about how to organise Design Pattern catalog.	[3]
c)	What is Document Formatting? Explain it.	[2]
d)	Write a short note on Design problems.	[3]
e)	Explain about abstract factory.	[2]
f)	Discuss about creational pattern.	[3]
g)	Explain about adapter design pattern.	[2]
h)	Discuss about composite design pattern.	[3]
i)	Explain about command design pattern.	[2]
j)	What is visitor design pattern? Explain it.	[3]

PART – B

(50 Marks)

2.	Explain in detail about design patterns in Smalltalk MVC.	[10]
	OR	
3.	Discuss in detail about how design patterns solve design problems.	[10]
4.	Explain in detail about Look-and-Feel Standards in document editors.	[10]
	OR	
5.	Discuss about how to make user interface more attractive in document editors.	[10]
6.	Explain in detail about Singleton design pattern.	[10]
	OR	
7.	Discuss in detail about factory method of design pattern.	[10]
8.	Explain in detail about bridge design pattern.	[10]
	OR	
9.	Discuss in detail about proxy design pattern.	[10]
10.	Explain in detail about Interpreter design pattern.	[10]
	OR	
11.	Discuss in detail about strategy design pattern.	[10]

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