	Code No: 117CF	
: + ₄ ;	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD	
	B. Tech IV Year I Semester Examinations, November/December - 2016 DESIGN PATTERNS	
	(Common to CSE, IT)	••,
	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	1 1
	question carries 10 marks and may have a, b, c as sub questions.	*****
-	The Thorn	
•	PART- A	
	1.a) What is Gang of Four GOF? (25 Marks)	
	The control of the co	; ;
	c) How many objects is the Singleton responsible for creating? [2]	:,.,:
	d) What are the consequences of the Abstract Factory pattern?	
	e) What is the basic problem being solved by the Bridge pattern? [2]	i
	I) What are the two variations of the Adapter pattern?	
	g). What is the intent of mediator pattern? [2]	: :
*** 2*4	h) What are the consequences of Chain of Responsibility pattern? [3] i) What is Template method pattern? [2]	
· ·	Without in the many of CV72 to the control of the c	
	3) What is the purpose of Visitor pattern? [3]	
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	PART-B	: ;
"Ave" cle	(50 Marks)	1,1
	2.a) What are the different ways in which natterns and frameworks share similarities and	
	2.a) What are the different ways in which patterns and frameworks share similarities and in which they differ? Discuss.	
	b) Decering the consistent forward () 11' 11'	
	Or Describe the consistent format for describing the design patterns. [5+5]	
****** . 	3 a) Give the step-by-step approach to apply a design pattern effectively.	
	b) What is the basis for classifying design patterns? Categorize and tabulate the design	
	patterns [5+5]	
	•	7
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i.,. i.	about this	
	method? [5+5]	
	5.a) What are the implementation issues of prototype design pattern? Discuss.	
	b) Can we use an abstract factory for supporting multiple window system in Lexi's design?	
? { *\$	Explain [5+5]	
	(b) Discuss in detail about the participants and consequences of Composite pattern What is the intent and motivation of Facade pattern? Explain	
	b) What is the intent and motivation of Façade pattern? Explain. [5+5] OR	
1	그 전대성 보고 있다. 그는 그는 그는 그는 그는 그는 그들은 그를 가는 것이 되었다. 그는 그는 그를 가는 그를 가는 것이다.	
1 :::	7.a) When can be a Flyweight pattern effectively be applicable? Explain.	
	What are the different language features that are by lotted by the same and the same and the same are the same and the same are the sam	1 1 4
	8.a) Write about the implementation issues of moments	
	b) Explain the motivation and applicability of above	
9	OR [5+5]	
3 1 .1	9. What is Command Pattern? Describe in detail about structure porticioners	
	collaborations of Command pattern.	1 1 4
<u>.</u>	그 이 살았다면 나는 그 사람이 하는 사람들은 바람이 되었다면 하는 사람이 되었다면 하는 사람들이 되었다.	
	10.a) Discuss the implementation issues of Strategy behavioral pattern.	
	5) Explain what to expect from design patterns. [5+5]	
	OR 1 (a) Discuss about the structure and participants of state design pattern. (b) Write about Portage community of state design pattern.	
	Write about Pattern community in brief	1 3
	Write about Pattern community in brief [5+5]	