Code No: 117CF

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* X X 0	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITE B. Tech IV Year I Semester Examinations, March DESIGN PATTERNS	1 Y H Y 1 - 201	TOERABAD 7	**** **** ****							
Time	(Common to CSE, IT) 3 Hours										
		M	ax. Marks: 7:	5							
Note:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										
****	Part A is compulsory which carries 25 marks. Answer all quest consists of 5 Units. Answer any one full question from each carries 10 marks and may have a, b, c as sub questions.	ions ir unit.	Part A. Part Each question	B on							
Part- A (25 Marks)											
:: <u>1 !a)</u> !	Describe: about pattern name.	[2]		X 5							
b)	What do you mean by consequences?		* *. **	*****							
c)	Write about document structure.	[3]									
d)		[2]									
	Explain briefly about "Monoglyph".	[3]									
e)	Describe the motivation for Bridge Pattern.	[2]									
f.) is	What are all the Participants for Proxy Pattern?	[3]	**** * ***	****							
	What are the Consequences of Chain of Responsibility Pattern.	[2]	* * * * * * * * * * * * * * * * * * *	****							
lı)	Write the Pattern name and Classification of Observer Pattern.	[3]									
i)	What can we expect from a Design Pattern?	[2]									
j)	Write about Applicability of State Pattern.	[3]									
**************************************	Part-B (50 Marks)			* 4 * 4 * 4 * 4 * 4 * 4 * 4 * 4 * 4 * 4							
2.a)	How to use design patterns? Explain in detail.										
b)											
0)			[5+5]								
**** 3 ****	OR										
::: ³	How a Design pattern solves the design problem? Illustrate with	an exa	mple:[10]	**** * * * * * * * * * * * * * * * * *							
4.	Discuss the Motivation, Structure, Collaborations and Implementation of the following Patterns:										
	a) Abstract Factory b) Prototype.		[5+5]								
X	OR		[]								
5	Explain in detail about "supporting multiple window systems":		[10]	****							
6.	Discuss the Intent, Applicability, Sample code, and Known Patterns:	uses	of the follow	wing							
	a) Adapter b) Flyweight.		[5+5]								
X & & X & X & X & X & X & X & X & X & X	OR Discuss the pattern name, Applicability, Consequences and following Patterns	Relate	d Patterns of	the 📆							
	a) Bridge b) Proxy	۶	[5+5]								

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	10.	Explain the Motivati		ts, Structure and I	Implementation o		ns
	11.	Discuss briefly about the following Patterns: a) Visitorb) Strategy.			[5+5]		
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