

SSN COLLEGE OF ENGINEERING, KALAVAKKAM

Department of Computer Science and Engineering

B.E. (CSE) 5th semester

UNIT TEST – II

CS6502 - Object Oriented Analysis and Design

Date: 19.08.2016

Staff: Ms. S. Manisha

Time: 08.00 – 09:30 A.M

Max. Marks: 50

Q. No.	Part A	CO	KL
1	'A system must be loosely coupled and highly cohesive'. Justify.	CO2	K2
2	Define Pattern.	CO3	K1
3	Define Factory Pattern.	CO3	K1
4	Draw the system sequence diagram for telephone.	CO2	K3
5	Write the difference between sequence and communication diagrams.	CO2	K2

Write any 2:

(2 *16 = 32 marks)

Q. No.	Part B	CO	KL
6	What is GRASP? Explain the following GRASP Patterns: Creator, Information Expert, Low Coupling, High Cohesion.	CO2	K2
7	Explain the following design patterns: Adapter and Observer.	CO3	K2
8	(i) What is the purpose of the state diagram? (2) (ii) List two advantages of using the state diagram. (2) (iii) List the constructs (notation) of the state diagram. Use the same to draw the state diagram for a software that controls an elevator in a building with five floors. (12)	CO3	K2

Case Study

(1*8 = 8 marks)

Q. No.	Part C	CO	KL
9	Consider the following scenario: For an ATM system, every user has to be validated with a PIN number to make a transaction. A customer is allowed three times to validate card giving the correct pin number. Draw the sequence diagram and state machine diagram.	CO2	K4

All the best

Prepared by

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Reviewed by

HOD – CSE

