Paper / Subject Code: 30304 / STRUCTURED AND OBJECT ORIENTED ANALYSIS & DESIGN

- T.E.(COMPUTER)(Sem V) (CBSGS) / STRUCTURED AND OBJECT ORIENTED ANALYSIS & DESIGN Q.P. Code: 24565

[Total Marks: 80]

(20)

(3 HOURS)

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N.B.: (1) Question no. 1 is compulsory.	
(2) Attempt any three questions from remaining.	
(3) Assume suitable data wherever necessary.	
Q1. (a) What is system? Which are the different types of system? What is role of	of system
analyst in analyzing, designing and implementation of system?	(10)
(b) Explain development of SRS document with suitable example.	(10)
Q2. (a) What are the steps to draw DFD? Draw DFD (upto two levels) for with	ndrawing
money from bank.	(10)
(b) What is UML? Draw class diagram for library management system	showing
different relationships between classes.	(10)
Q3. (a) Explain cohesion and coupling in the context of software design. Why	and how
these concepts are important for good software design?	(10)
(b) What is feasibility analysis? Explain payback analysis with example.	(10)
Q4. (a) How to identify use case and actors for use case diagram? Identify use	cases &
actors and draw use case diagram for car rental system.	(10)
(b) Explain requirement gathering techniques used in system analysis.	(10)
Q5. (a) Explain different elements of activity diagram with suitable example.	(10)
(b)What is the purpose of sequence diagram? Draw sequence diagram	rams for
approval/rejection of admission forms for eligible/non-eligible candida	ites. (10)
	(10)

Q6. Write short notes (any two)

a) User Interface Design

b) Modeling Application Architecture

c) Business Process Re-engineering (BPR)d) System security and integrity measures