

Total No. of Questions : 6]

SEAT No. :

P541

[Total No. of Pages : 1

TE/INSEM/APR-142
T.E. (Computer Engineering) (Semester - II)
SOFTWARE MODELING AND DESIGN
(2015 Pattern)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) *Answer any three questions.*
- 2) *Neat diagram must be drawn.*
- 3) *Assume suitable data if necessary.*

- Q1)** a) Describe classification of design based on abstraction level? [4]
b) Draw Use case diagrams for automated cold-drink machine with scenario? [6]

OR

- Q2)** a) What is COMET? Explain Phases of COMET? [5]
b) What is 4+1 view architecture? Why it is called as 4+1 view architecture? [5]

- Q3)** a) What are the different degrees of Multiplicity in association relationships? [4]
b) State and explain below concepts: [6]
i) Class Inheritance
ii) Overriding
iii) Polymorphism

OR

- Q4)** a) Explain Package Diagram with UML notations? [5]
b) Describe & draw Deployment Diagram for ATM System. [5]

- Q5)** a) Explain basic symbols of sequence diagram and draw sequence diagram for Cellular Phone Working? [5]
b) What is advanced state machine diagram? Draw for washing machine? [5]

OR

- Q6)** Write Short note on (Any two) [10]
a) Fork & Join
b) Swim lanes
c) Association

