

Total No. of Questions :6]

P47

SEAT No. :

[Total No. of Pages : 1

TE/Insem./APR-52

T.E. (Computer Engineering)

310253 : SOFTWARE MODELING AND DESIGN

(2015 Pattern) (Semester-II)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Solve Q1 or Q2, Q3 or Q4, Q5 or Q6.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Assume suitable data, if necessary.
- 4) Figures to the right indicate full marks.

- Q1)** a) Define software design and give its importance. [5]
b) Explain include and extend relationship in use case model with example.[5]

OR

- Q2)** a) Explain 4+1 view Architecture of UML. [5]
b) Draw Use case diagram for ATM system by considering cash withdrawal scenario. [5]

- Q3)** a) Define component. Compare component and deployment diagram. [5]
b) Explain the elements of a class diagram with example. [5]

OR

- Q4)** a) Explain with an example the difference between aggregation and composition. [5]
b) Draw Class diagram for college library management system. [5]

- Q5)** a) Draw a sequence diagram for Online Shoppe system. [5]
b) Explain the significance of Timing diagram with example. [5]

OR

- Q6)** a) Draw an activity diagram for credit card validation system. [5]
b) Define interface. Explain required and provided interface with example.[5]

