

B.Tech III Year II Semester (R09) Supplementary Examinations May/June 2016

**OBJECT ORIENTED ANALYSIS & DESIGN**

(Common to CSE, IT and CSS)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions  
All questions carry equal marks

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- 1 Explain about Software development Life cycle in detail.
- 2 Explain about the following:
  - (a) Realization.
  - (b) Component and nodes.
  - (c) Adornment mechanisms.
  - (d) State chart diagram.
- 3 Explain and draw the object diagram for Ticket Vending Machine.
- 4 Explain and draw the collaboration diagram for When a call is placed and use case for Cellular Phone Connection.
- 5
  - (a) Discuss the common modeling techniques of use case diagrams.
  - (b) Consider an automated soda machine that gives cool drinks. Draw a use case model of the soda machine.
- 6 Define an event and a signal. Explain briefly about the common modeling techniques of events and signals.
- 7
  - (a) Define a node. State the differences between nodes and components. Explain how nodes can be organized.
  - (b) Enumerate the steps to model the source code using components.
- 8 Draw the complete use case diagram for the library system and explain the relationships and responsibilities of various actors.

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