Seventh Semester B.E. Degree Examination, Dec.2018/Jan.2019
Object Oriented Modeling and Design

Time: 3 hrs.   Max. Marks:100

Note: *Answer FIVE full questions, selecting*
atleast TWO questions from each part.

PART – A

1   a.   Explain object oriented development, object oriented methodology and object oriented themes.   **(10 Marks)**
    b.   Explain modeling concept. Write the class model of a windowing system.   **(10 Marks)**

2   a.   Explain association and aggregation with examples.   **(10 Marks)**
    b.   What is an event? Explain the different types of events with examples.   **(10 Marks)**

3   a.   What is concurrency? Explain aggregation concurrency. Draw relevant figure.   **(10 Marks)**
    b.   Explain use case and sequence model with examples.   **(10 Marks)**

4   a.   Explain software development stages in detail.   **(10 Marks)**
    b.   Describe the stages in consetercting a domain state model.   **(10 Marks)**

PART – B

5   a.   With a neat block diagram, explain the steps followed in constructing application class model.   **(10 Marks)**
    b.   Explain the steps involved in system design.   **(10 Marks)**

6   a.   Explain with an example, the class design what are the steps involved in designing.   **(10 Marks)**
    b.   Explain :
      i)   Forward engineering
      ii)   Reverse engineering
      iii)   Wrapping.   **(10 Marks)**

7   a.   What is a pattern? Explain the model view controller design for software architecture with OMI diagram.   **(10 Marks)**
    b.   Explain three categories of patterns.   **(10 Marks)**

8   Write short notes on :
    a.   UML
    b.   State model
    c.   Association ends
    d.   Packages.   **(20 Marks)**

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