B.E.(with Credits)-Regular-Semester 2012 - Computer Technology Sem VI
CT604 - Software Engineering

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Notes :   1.   All questions carry equal marks.
          2.   Due credit will be given to neatness and adequate dimensions.
          3.   Assume suitable data wherever necessary.

1.   a)   State & explain the different applications of software.   **8**

    b)   What are generic phases in software engineering? Explain them.   **8**

OR

2.   a)   Explain rapid application development model & prototype model.   **8**

    b)   Discuss system engineering process in detail.   **8**

3.   a)   Explain requirement engineering and also state the different techniques used for requirement elicitation.   **8**

    b)   What are the objectives for requirement analysis?   **8**

OR

4.   a)   Explain software prototyping. Provide different approaches for prototyping state the benefit of prototyping.   **8**

    b)   Explain object oriented analysis in detail.   **8**

5.   a)   State and explain different design concepts.   **8**

    b)   State the different categories of architecture and explain layered & call and return architecture.   **8**

OR

6.   a)   State & explain the golden rules for user interface design.   **8**

    b)   State the characteristics of object -oriented design.   **8**

7.   a)   Discuss the different approaches for software testing.   **8**

    b)   Explain incremental and non-incremental integration testing.   **8**

OR

8.   a)   Explain unit testing and system testing in detail.   **8**

    b)   Explain black box testing and also explain boundary analysis value in black box testing.   **8**

9.   a)   What are metrics? Provide the goals for metrics.   **8**

    b)   Discuss information domain characteristics.   **8**

OR

10.   a)   Explain object-oriented metrics.   **8**

    b)   Explain client server system in software engineering.   **8**

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