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Question Paper Code : 75601

5 Year M.Sc. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2013.

Sixth Semester

Software Engineering

XSE 361/10677SW601 – SOFTWARE DESIGN

(Regulation 2003/2010)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. When will you say the design as a problem-solving process?
2. How will you assess the design quality?
3. Define coupling.
4. Write the characteristics of function oriented design.
5. What is meant by event-partitioning?
6. State data design.
7. Write the three “golden rules” given by Theo Mandel for interface design.
8. What criteria can be used to assess design notation?
9. Differentiate classes and objects.
10. What is meant by object design.

PART B — (5 × 16 = 80 marks)

11. (a) Explain briefly about the role of software design activity.

Or

(b) Discuss in detail about the design view points for software.

12. (a) Explain about top-down decomposition method in design strategies.

Or

(b) Discuss the importance of design documentation in detail.

13. (a) With a neat flow chart, explain the transformation diagram for SSAD along with its steps.

Or

(b) Explain about the Transform and Transaction flow with a suitable example.

14. (a) Explain the steps in detail to accomplish the interface design.

Or

(b) Explain the various notations that support the structural programming concept.

15. (a) Compare OOA and OOD process in detail.

Or

(b) Explain about Object-Relationship Model with a suitable example
