

MAY 2012

P/ID 16103/KAC/PITE

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) What is system life cycle? Explain the stages.

Or

(b) What are the advantages of object oriented testing? Illustrate.

2. (a) Explain the concept of inheritance and polymorphism.

Or

(b) Describe requirement model. What is the outcome of this phase?

3. (a) What is a real time system? How are real time systems classified? Explain.

Or

(b) State the uses of RDBMS and ODBMS in software engineering paradigms.

4. (a) What is system testing? What are the parameters tested? Explain.

Or

- (b) Describe SQA.

5. (a) State the requirement of WH management system.

Or

- (b) Explain HOOP.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Explain the methods and processes involved in system development.
7. Write briefly the concept of object oriented system development.
8. Explain the analysis and design models.
9. Describe verification and validation. How is testing useful in these processes?
10. Explain the usage of components and write about component management.

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11. Describe the guidelines for project selection and preparation.
 12. Explain project staging and software metrics, employed through out life cycle.
 13. Write short notes on :
 - (a) Telecommunications switching system-analysis model.
 - (b) Responsibility driven design.
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