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MCA–07/ PGDCA–06

M.C.A./P.G.D.C.A. DEGREE EXAMINATION JANUARY, 2006.

Second Semester

INTRODUCTION TO SOFTWARE ENGINEERING

Time : 3 hours   Maximum marks : 60

PART A — (4 × 5 = 20 marks)

Answer any FOUR questions.

1. What is requirements analysis? Discuss.

2. List and briefly discuss the fundamental process activities.

3. What is software crisis? Discuss.

4. Justify the need for reviews and walk through.

5. What is software prototyping? Discuss.

6. Briefly discuss architectural design and detailed design.

PART B — (4 × 10 = 40 marks)

Answer any FOUR questions.

7. With a neat sketch discuss the waterfall model for software development.

8. What is risk? How can risk be managed? Discuss.

9. What are the contents of a project schedule? Discuss.

10. State and discuss the need for software configuration management.

11. State and discuss the building blocks of a user interface. Also discuss the desirable properties of a user interface.

12. With a relevant example discuss unit testing.

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