PG–410   PGDSM–04

P.G. DIPLOMA EXAMINATION — JUNE, 2018.

Software Quality Management

INTRODUCTION TO SOFTWARE ENGINEERING

Time : 3 hours   Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. What are the phases is Software development? Mention any two significances of each phase.

2. Discuss about RAD model. State the drawbacks of RAD model.

3. Write a short note about the 4Ps in project management.

4. Brief the role of system analyst in project management.

5. State the objectives of Formal Technical Reviews? Give.

6. Differentiate between verification and validation highlighting their features in software development.

7. Explain integration testing with suitable examples.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Briefly discuss the following software models.

   (a) Spiral model

   (b) Incremental model.

9. With a neat block diagram briefly explain the phases of software development.

10. Discuss about Risk and Risk management in software development.

11. Explain project planning and control with suitable case study.

12. What is software configuration management? Explain the various factors that affect software configuration management.

13. Compare and contrast black box testing and white box testing.

14. What is software prototyping? Explain the steps involved in prototyping and its types.

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