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Question Paper Code : 75564

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

Nineth Semester

Software Engineering

XCS 592 — SOFTWARE PROJECT MANAGEMENT

(Common to 5 year M.Sc. Computer Technology/M.Sc. Information Technology)

(Regulation 2003)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is the use of Metrics?
2. Give one scenario where Waterfall Model is preferable compared to all other models.
3. What is Software Quality Assurance?
4. What are the features of a formal technical review?
5. What is the use of project tracking?
6. Why should we have a formal closure of a project?
7. Define reusability.
8. Define the term : Requirements Elicitation.
9. What is the use of software testing?
10. List the activities during the maintenance phase.

PART B — (5 × 16 = 80 marks)

11. (a) Compare water fall model with spiral model. Explain their applications in Software Projects. (16)

Or

- (b) Define the term: Software Process. What is Software Process Improvement (SPI)? How are SPI measured and managed? (16)

12. (a) What is software configuration management (SCM)? Explain the activities of SCM in a Software Project. (16)

Or

- (b) What is risk Management? Draw the risk management cycle. Explain briefly the Risk Information Sheet. (16)

13. (a) Why should we explicitly do a project compression? Explain the project compression activities in detail. (16)

Or

- (b) What are all the components of project planning and tracking? Discuss about any two components in detail. (16)

14. (a) What is software Requirement Specification (SRS)? How will you prepare a SRS for a Software Application? Illustrate with an example. (16)

Or

- (b) Write short notes on:

(i) Design for Testability (8)

(ii) Design for Diagnosability. (8)

15. (a) Discuss the issues faced by project managers during testing and maintenance phases. (16)

Or

- (b) Describe the automated tools used in IT industry for effective project management. (16)