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Reg. No. : | | | | | | | | | | | | |

Question Paper Code : 65073

5 Year M.Sc. DEGREE EXAMINATION, MAY/JUNE 2013.

Elective

Software Engineering

XCS 021 — SOFTWARE QUALITY ASSURANCE

(Common to 5 Year M.Sc. - Computer Technology)

(Regulation 2003)

Time : Three hours Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is meant by software quality?

2. List out the tasks utilized in quality assurance?

3. What are the responsibilities needed in SQA?

4. What is meant by FURPS?

5. What is meant by inspection?

6. What is the need of audit in quality?

7. What is code control?

8. What is meant by walkthrough?

9. What is the need of SPICE in quality management?

10. Distinguish between quality assurance and quality control.

PART B — (5 × 16 = 80 marks)

11. (a) Explain how is software modeling followed in quality assurance? (16)

Or

(b) Explain briefly about planning the software quality assurance in cause effect graphing? (16)

12. (a) Explain how do management work in software quality assurance. (16)

Or

(b) Explain how is task managed in software quality. (16)

13. (a) Explain briefly about Formal Technical reviews and post mortem reviews. (16)

Or

(b) Explain the operations of ISO process in software project management. (16)

14. (a) Explain how is training and risk managed in quality management? (16)

Or

(b) Explain how can reports be generated under maintenance and retention in quality control? (16)

15. (a) Explain the weakness of ISO 9000 Quality factors in Quality assurance? (16)

Or

(b) Explain how can process improved in software quality management? (16)

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