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Question Paper Code : 95319

5 Year M.Sc. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2015.

Eighth Semester

Software Engineering

ESE 081 — SOFTWARE QUALITY ASSURANCE

(Regulations 2010)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Identify the various people involved in the SQA Group.
2. What do you mean by SQA?
3. List out -- who are all involved in SQA Management (SQAM)?
4. Define organization structure.
5. What is mean by CMM and its levels?
6. What is audit process?
7. What are the security limitations in media?
8. List out the some drawbacks of ISO 9000?
9. Define risk management.
10. What is "SPICE"?

PART B — (5 × 16 = 80 marks)

11. (a) Write about
- (i) Establishing quality goals
 - (ii) Productivity and documentation in SQA. (8 + 8 = 16)

Or

- (b) Explain in detail about software modeling and scope of the software quality program. (8 + 8 = 16)
12. (a) Discuss in detail about the software quality assurance management. (16)

Or

- (b) Describe in detail about the various quality tasks and responsibilities in SQA. (16)
13. (a) Explain in detail about the management and technical review in SQA. (8 + 8 = 16)

Or

- (b) Briefly explain about the walk through process and test process. (8 + 8 = 16)
14. (a) Write out :
- (i) Code control
 - (ii) Media control
 - (iii) Supplier control. (5 + 6 + 5 = 16)

Or

- (b) Explain in detail the training and various technical risk in a software project. (16)
15. (a) Explain in detail about the ISO 9000 Model and its weaknesses. (16)

Or

- (b) Explain briefly about the CMM Model and its weaknesses. (16)