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Question Paper Code: 55P34

M.E. DEGREE EXAMINATION, NOV 2017

Elective

Computer Science and Engineering

15PCS503 - SOFTWARE QUALITY ASSURANCE

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

(5 x 20 = 100 Marks)

1. (a) Explain quality views in detail. (20)
Or
(b) Give detailed accounts on CMM and TMM. (20)
2. (a) Explain the various techniques for defect prevention in Quality Assurance beyond testing. (20)
Or
(b) Explain software inspection process with a neat diagram. (20)
3. (a) Explain the use of Decision table in a complex system with example. (20)
Or
(b) Given a predicate if (age>45 and salary>100k) generate test cases for different types of coverages. (20)
4. (a) Explain testability of a program segment which finds the sum of positive integers in an array with the help of a CFG. (20)
Or

(b) Illustrate the concept and relations of error, fault, failure and defect with diagram. (20)

5. (a) Explain system testing in detail. (20)

Or

(b) State the similarity and difference between CMM and ISO 9000 series. (20)
