Reg. No. :

Question Paper Code: 52333

M.E. DEGREE EXAMINATION, NOV 2016

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 McCall's quality model with a neat diagram.   (20)

Or

    (b) (i) Discuss about the generic categories of quality assurance.   (10)

         (ii) Describe quality costs in detail.   (10)

2. (a) (i) Explain the components of a review plan.   (10)

         (ii) Explain different types of reviews.   (10)

Or

    (b) Explain about the various techniques of safety assurance and failure containment.

                                                                               (20)

3. (a) Explain how EC partitioning and BV analysis are used in generation of test cases for password validation.   (20)

Or

    (b) Explain category partition method with example.   (20)

4. (a) (i) Explain def-use path testing with example. (10)

   (ii) Explain ST testing with an example. (10)

   Or

   (b) Mutation testing is fault based testing. Justify. (20)

5. (a) Explain the generation of testcases from usecases. (20)

   Or

   (b) Evaluate any 4 types of functional testing required for an online examination. (20)

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