

333711 (33)

BE (7th Semester)

Examination, April-May, 2014

Branch : IT

SOFTWARE ENGINEERING

Time Allowed : Three Hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : For every question part (a) is compulsory and solve any two from rest.

- Q. 1.** (a) What is legacy software. 2
- (b) "Software does not wear out but it deteriorates." Comment. 7
- (c) List any seven factors that influence the quality and productivity of software in a software engineering life cycle. 7

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P.T.O.

(2)

(d) Differentiate between small, large and extremely large projects. 7

Q.2. (a) What do you mean by planning and analysis phase. 2

(b) Explain COCOMO model. 7

(c) Explain different activities involved in SCM process. 7

Q. 3. (a) Differentiate between topdown & bottom up approach. 2

(b) Explain milestones, walkthroughs & inspection. 7

(c) "A software modules should have low degree of coupling and high degree of cohesion". Justify. 7

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(3)

(d) How to derive test cases for the given project. 7

Q. 4. (a) What are the advantages of good coding technique. 2

(b) Explain internal and external documentation in software coding phase. 7

(c) Explain verification and validation. 7

(d) List and explain Do's and Don'ts for a good coding style. http://www.csvtuonline.com

Q. 5. (a) Explain unit testing.

(b) Explain white box testing.

(c) Explain software maintenance that may appear in software product. 7

(4)

(d) Write short note on any two : 7

(i) Alpha testing

(ii) Beta testing

(iii) Regression testing

(iv) Performance testing



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