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Total Number of Pages: 01

B.Tech
PCCS4402

7th Semester Regular / Back Examination 2016-17
PRINCIPLES AND PRACTICES IN SOFTWARE ENGINEERING

BRANCH: CSE

Time: 3 Hours

Max Marks: 70

Q.CODE: Y418

Answer Question No.1 which is compulsory and any five from the rest.

The figures in the right hand margin indicate marks.

- Q1 Answer the following questions: (2 x 10)**
- a) What is reverse engineering? How it is used in S/W Development?
 - b) Explain Build and Fixed programming style in S/W Engineering.
 - c) What is Fan in and Fan Out? Give an Example.
 - d) What is phase containment of error in S/W Development?
 - e) What is Decision Tree? Why it is used in S/W Engineering?
 - f) What is <<include>>? Give a suitable example.
 - g) How test case is different from test suit? Give example.
 - h) What is regression testing?
 - i) Explain different types of maintenance?
 - j) What is top down and bottom up design?
- Q2 What is CASE and its scope? Explain the detail environment with its benefits. (2+8)**
- Q3 a) Explain different types of patterns with pros and cons. (5)**
- b) Explain the characteristics of a good SRS? (5)**
- Q4 a) What are the goodness criteria of OOD? Explain. (5)**
- b) Explain different types of testing and their approaches. (5)**
- Q5 a) Explain different types of user interfaces. (5)**
- b) Briefly explain the different phases of spiral model in S/W development. (5)**
- Q6 Why and How we can get ISO 9000 Certification? How it is different from SEI/CMM? (7+3)**
- Q7 Explain different views of UML design and their uses. What is the class relations used in UML? Explain with suitable example. (10)**
- Q8 Write notes on any two: (5 x 2)**
- a) CRC card
 - b) Cohesion and Coupling
 - c) Intermediate COCOMO
 - d) Six Sigma