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Total Number of Pages: 03

B.TECH
PCS31104

3rd Semester Regular Examination 2016-17

SOFTWARE ENGINEERING

BRANCH: CSE

Time: 3 Hours

Max Marks: 100

Q.CODE: Y705

Answer Part-A which is compulsory and any four from Part-B.

The figures in the right hand margin indicate marks.

Part – A (Answer all the questions)

Q1 Answer the following questions. Write the correct alternative for (2 x 10) these questions.

- a) White box testing, a software testing technique is sometimes called? -
i. Glass box testing
ii. white box testing
iii. Black box
iv. basic path
- b) ISO 9001 is not concerned with _____ of quality records.
i. Collection
ii. Maintenance
iii. Verification
iv. dis-positioning
- c) Source code translation is a part of which re-engineering technique?
i. Data re-engineering
ii. Re-factoring
iii. Restructuring
iv. None of the mentioned
- d) The testing in which code is checked
i. Black box testing
ii. White box testing
iii. Red box testing
iv. Green box testing
- e) The CMM model is a technique
i. Automatically maintain the software reliability
ii. Improve the software process.
iii. Test the software
iv. all of the mentioned

- f) Forward engineering is also known as
- extract abstractions
 - Renovation
 - Reclamation
 - both renovation and reclamation
- g) What is used to pass SQL requests and associated data from one component to another?
- Client/server SQL interaction
 - Remote procedure calls
 - SQL Injection
 - All of the above
- h) Service Oriented Architecture (SOA) is
- Strongly Coupled
 - Loosely Coupled
 - Strongly Cohesive
 - Loosely Cohesive
- i) RUP stands for _____ created by a division of _____.
- Rational Unified Program, IBM
 - Rational Unified Process, Infosys
 - Rational Unified Process, Microsoft
 - Rational Unified Process, IBM
- j) How many phases are there in Scrum?
- Two
 - Three
 - Four
 - Seven.
 - v.

Q2 Answer the following:

2 X10

- What is the Advantage of Prototype Model.?
- What is functional and non functional Software requirement?
- What is Code and Code Review.?
- What are the advantage and disadvantage of Black Box Testing.?
- What are different types of maintenance?
- What is software Crisis?
- What is SCRUM?
- What is command line interface (CLI)?
- What are the components of DFD?
- Draw the diagram of SPIRAL model.

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