

Total No. of Questions : 12]

SEAT No. :

P2417

[4758]-585

[Total No. of Pages : 2

T.E. (Computer Engineering)

SOFTWARE ENGINEERING

(2012 Course) (Semester - II) (End - Sem.) (310252)

Time : 3 Hours]

[Max. Marks :70

Instructions to the candidates:

- 1) *Neat diagrams must be drawn wherever necessary.*
- 2) *Figures to the right side indicate full marks.*
- 3) *Assume suitable data, if necessary.*
- 4) *All questions are compulsory.*

Q1) Discuss the differences between the agile development and clean room approaches in use today? **[7]**

OR

Q2) What is Software process framework? Explain in detail. **[7]**

Q3) What do you mean by CRC? Write the steps for identifying analysis classes using CRC modeling. **[7]**

OR

Q4) What tasks are to be carried out in software requirement engineering? Explain in detail. **[7]**

Q5) What do you understand by refactoring? Give the importance of refactoring in improving quality of software. **[6]**

OR

Q6) What do you mean by Archetypes? Explain various types of Archetypes. **[6]**

P.T.O.

- Q7)** a) What are the main objective of basis path testing? Explain in detail. [9]
b) Differentiate between:- [8]
i) Black box & white box Testing
ii) Regression & Smoke Testing

OR

- Q8)** a) What do you understand by system testing? What are the different kinds of system testing that are usually performed on large software products?[9]
b) What is the difference between test stub and driver? What are the problems associated with Top down approach of testing? [8]
- Q9)** a) Explain in detail software process and project metrics. [9]
b) Explain the role of people, product and process in project management.[8]

OR

- Q10)**a) What is project decomposition? What are the work task for communication process using process decomposition. [9]
b) Explain Principles of Risk management in detail. [8]
- Q11)**a) What is the concept of Software Reliability? Explain different measures of software reliability and availability. [8]
b) What are different elements of distributed systems? Explain in detail.[8]

OR

- Q12)**a) Explain the concept of aspect oriented software engineering in detail.[8]
b) What is software Quality? What are the mechanism to address Quality Software? [8]

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