

Total No. of Questions : 12]

P1944

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SEAT No. :

[Total No. of Pages : 2

[4861]-503

T.Y.M.C.A.(Engg.)
SOFTWARE ENGINEERING
(2013 Course)(Semester-V) (510903)

Time : 3Hours]

[Max. Marks : 50

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.*

- Q1)** a) Explain in detail all the levels of CMMI with key process area. [6]
b) Write a short note on : Critical Software. [3]

OR

- Q2)** a) What are the various models in system organization? [6]
b) Differentiate between Personal Process Model and Team Process Model. [3]

- Q3)** a) What is Mean by Work Breakdown Structure (WBS)? [5]
b) Explain any 3 tools for managing project. [3]

OR

- Q4)** a) Write a note on: Requirement Analysis. [5]
b) What is Risk Mitigation? [3]

- Q5)** a) What is Verification & Validation? Explain with example. [4]
b) Write a note on: Configuration Management. [4]

OR

- Q6)** a) What are the various project constraints in project management? [6]
b) Explain the Process Improvement Cycle? [2]

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- Q7)** a) What are the principle properties of Dependability? [4]
b) Explain the specifications of Safety. [4]

OR

- Q8)** a) Write basic terminologies of Reliability ? Explain with example. [4]
b) Draw a diagram and explain the process of security risk assessment. [4]

- Q9)** a) What are the different issues arising from Distributed Systems? [5]
b) Explain the term : Client Server Computing. [3]

OR

- Q10)** a) What do you mean by SAAS model? What are the benefits of SAAS Model? [4]
b) Write the concept of SOA. [4]

- Q11)** a) What are the attributes of effective software metric? Explain measure, measurement and metrics. [6]
b) What do you mean by Software Metric? Describe its advantages. [3]

OR

- Q12)** a) Draw a diagram and Explain McCall's quality factors that affect the software quality. [6]
b) What is the purpose of Software Maintenance? Explain the maintenance metric. [3]

