Total No. of Questions : 8]

SEAT No. :

P2991

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[5669]-583

T.E. (Computer Engineering)

SOFTWARE ENGINEERING & PROJECT MANAGEMENT

(2015 Pattern)

Time : 2.30 Hours] *[Max. Marks : 70*

Instructions to the candidates:

1) ***Solve question number 1 or 2, 3 or 4, 5 or 6 and 7 or 8.***
2) ***Neat diagram must be drawn whenever necessary.***
3) ***Figures to the right indicate full marks .***
4) ***Assume suitable data, if necessary.***

Q1) a) Elaborate how software engineering is a layered technology . **[7]**

b) What do you mean by feasibility study in Requirement elicitation? **[7]**

c) Enlist the golden rules for User Interface Design. **[6]**

OR

Q2) a) Explain RAD model with the help of diagram? **[6]**

b Explain activities and the steps used for negotiating software requirements. **[7]**

c) What are the software design quality attributes and quality guidelines? **[7]**

Q3) a) Write about Daily activity reporting & Tracking (DART). **[6]**

b) Explain Risk identification and assessment process for software project. **[6]**

c) How do you calculate FP and how it is used in estimation of a software project? **[5]**

OR

Q4) a) What are the categories of stakeholders? What are the characteristics of effective project manager? **[5]**

b) What is the need of project estimation? What are the steps while estimation of software? **[6]**

c) What is project scheduling? What are the basic principles of project scheduling? **[6]**

P.T.O.

Q5) a) Explain Risk identification and assessment process for software project. **[5]**

b) What is Business process Reengineering (BPR). **[6]**

c) Which are the layers of SCM process? Explain each in detail. **[6]**

OR

Q6) a) Explain change central mechanism in SCM. **[5]**

b) What is Risk mitigation, monitoring and management (RMMM). **[5]**

c) What is Risk identification? What are the different categories of risks? **[7]**

Q7) a) What is cyclomatic complexity? How is it determined for a flow graph? Illustrate with example. **[5]**

b) What is the need of stubs and drivers in software testing? **[5]**

c) What do you understand by Integration Testing? Explain objectives of integration testing. **[6]**

OR

Q8) a) What are the main objectives of software testing and what are the principles of software testing? **[5]**

b) What is GUI testing? Give advantages and drawbacks of GUI testing. **[5]**

c) What is the difference between alpha testing and beta testing? **[6]**

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