

Total No. of Questions : 8]

SEAT No. :

P2991

[Total No. of Pages : 2

[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]

