B.E. Sixth Semester (Computer Science & Engineering) (C.B.S.)
Software Engineering and Project Management

P. Pages : 2

Time : Three Hours

KNT/KW/16/7408

Max. Marks : 80

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Notes : 1. All questions carry marks as indicated.
2. Solve Question 1 OR Questions No. 2.
3. Solve Question 3 OR Questions No. 4.
4. Solve Question 5 OR Questions No. 6.
5. Solve Question 7 OR Questions No. 8.
6. Solve Question 9 OR Questions No. 10.
7. Solve Question 11 OR Questions No. 12.
8. Due credit will be given to neatness and adequate dimensions.
9. Assume suitable data whenever necessary.
10. Use of non programmable calculator is permitted.

1. a) Explain generic view of software Engineering in detail. **5**

b) What are the practioner myths? Explain. **4**

c) What are the different areas where software can be used? **4**

OR

2. a) Explain Bohem model of software development with neat sketch along with its advantages and disadvantages. **7**

b) Explain the phases of unified process and modelling. **6**

3. a) List and explain the different resources require to accomplish the software development. **6**

b) Describe Business process engineering hierarchy using diagram. **7**

OR

4. a) List and explain in brief steps in Requirement Engineering. **7**

b) Explain following in brief System Engineering. **6**

5. a) What are the characteristics of good design? **4**

b) What is object-oriented analysis? List data modelling diamensions stated by Fitchman and Kemerer. **6**

c) Write short note on Cohesion. **4**

OR

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6.	a)	What are different model in Analysis modeling? Explain.	**7**
	b)	Explain with diagram, how analysis model can be translated into design model.	**7**
7.	a)	Explain with example, how the Cyclomatic complexity is calculated.	**6**
	b)	Write in detail about software testing strategies.	**7**

OR

8.	a)	What is Black Box Testing? Explain Black Box Testing technique in detail.	**6**
	b)	Explain alpha testing and Beta testing.	**4**
	c)	State different system testing techniques.	**3**
9.	a)	What are Metrics, Measures and Indicators?	**3**
	b)	What is Software Maturity Index? Why it is used? How it is computed?	**4**
	c)	Explain MaCall's Quality Factors.	**7**

OR

10.	a)	How decision tree is used for make-buy decision of software system?	**7**
	b)	What is SQA? How FTR is conducted for SQA?	**7**
11.	a)	Write short note on.	**6**
		i) Risk Projection.	
		ii) RMMM Plan.	
	b)	Explain the layers of SCM process.	**7**

OR

12.	a)	Explain in detail software Reengineering process model.	**6**
	b)	What is Risk? Explain different types of Risk.	**7**

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