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

P. Pages : 2

Time : Three Hours

‖‖‖‖‖‖‖‖‖‖
0567

TKN/KS/16/7490

Max. Marks : 80

_____

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 Illustrate your answers whenever necessary with the help of neat sketches.
11. Use of non programmable calculator is permitted.

1.	a)	Explain common process framework for software Engineering in detail.	**7**
	b)	Define software engineering and explain software Engineering-a layered technology.	**6**

OR

2.	a)	Explain RAD model of S/W development along with its advantages and disadvantages.	**7**
	b)	Explain the unified process model for software development.	**6**

3.	a)	Explain Business process engineering in detail.	**6**
	b)	Explain Requirement Engineering process.	**4**
	c)	What is SRS?	**4**

OR

4.	a)	What is FAST? Explain in detail.	**7**
	b)	Explain system engineering hierarchy using diagram in detail.	**7**

5.	a)	Explain Data flow Diagram in detail. Give the extension suggested by ward and Mellor.	**8**
	b)	Write short note on Modularity.	**5**

OR

6.	a)	Give and explain ten design principles in detail.	**10**
	b)	What do you mean by data modeling? Explain.	**3**

7.	a)	What are the different testing principles suggested by Davis?	**4**
	b)	Explain Black Box testing technique in detail.	**9**

OR

8.	a)	What is cyclomatic complexity? Explain how it is computed?	**4**

	b)	Write short note on Integration testing.	**5**
	c)	Differentiate Alpha testing & Beta testing.	**4**
9.	a)	What are the different quality factors are available to measure quality of software.	**5**
	b)	Write a note on Quality Function Deployment (QFD).	**5**
	c)	What are Metrics, Measures and Indicators?	**3**

OR

10.	a)	Explain function point metric state its advantages and drawbacks.	**7**
	b)	Explain process metric in detail.	**6**
11.	a)	What are the different activities performed in software quality assurance? Explain.	**7**
	b)	Explain what is SCM? Why it is important? What are different steps involved for same.	**7**

OR

12.	a)	Discuss formal technical review method.	**5**
	b)	Explain different types of Risks.	**4**
	c)	Write a note on software reengineering.	**5**

****