B.E.(Information Technology) Semester Fifth (C.B.S.)

Software Engineering

P. Pages : 2 **KNT/KW/16/7356**

Time : Three Hours * 0 6 7 6 * 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. Assume suitable data whenever necessary.
9. Illustrate your answers whenever necessary with the help of neat sketches.

1. a) What are different characteristics of software Engineering? Explain each of them in detail. **6**

b) Explain various software myths & realities associated with it. **7**

OR

2. a) What is Agile process? Explain it in detail. **7**

b) Explain spiral Model in detail. **6**

3. a) What are the basic principle guide for software project scheduling. **7**

b) Discuss "Make-Buy" decision tree with example for s/w estimation. **6**

OR

4. a) Define s/w scope and s/w feasibility. **6**

b) Write a note on size-oriented metrics. **7**

5. a) Explain four elements of analysis modeling. **6**

b) What is requirement engg? What are the various steps of requirement engineering. **8**

OR

6. a) What is SRS? Explain SRS in detail. **8**

b) What is DFD? Explain it. **6**

7. a) Discuss translating the analysis model into design model within the context of software engg. **8**

b) Draw context level DFD diagram for "Safe Home security function". **5**

OR

8.	a)	Define Modularity. Explain the term design engg & its importance.	**6**
	b)	Discuss cohesion & coupling concept in design engg.	**7**
9.	a)	Write short note on:- i) Validation testing ii) Art of debugging.	**6**
	b)	Explain Black Box testing in detail.	**8**

OR

10	a)	Explain white Box testing in detail.	**8**
	b)	Explain unit testing and Integration testing.	**6**
11.	a)	What is SCM? Explain it in detail.	**6**
	b)	Explain software reengineering in detail.	**7**

OR

12.	a)	What is Risk? Explain various types of Risk.	**7**
	b)	What is RMMM? Explain in brief.	**6**

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