

B.E. Eighth Semester (Information Technology) (CGS)
10761 : Software Engineering : 8 IT 03

P. Pages : 2

Time : Three Hours



AU - 3038

Max. Marks : 80

- Notes :
1. Assume suitable data wherever necessary.
 2. Illustrate your answer necessary with the help of neat sketches.
 3. Use of pen Blue/Black ink/refill only for writing the answer book.

1. a) Explain various tools used in software process. 7
b) Describe software development paradigms. 7

OR

2. a) What are various models for software engineering process. Explain RAD model in detail? 7
b) Explain five levels of CMMI that are required to achieve maturity levels. 7
3. a) What are size oriented and function directed matrices. 6
b) Explain RIS (Risk Information sheet) With example. 7

OR

4. a) Explain any one of empirical estimation model. 6
b) Explain why design metrics are by themselves an inadequate method of preceding design quality. 7
5. a) What are basic principles guide for software project scheduling? Explain. 7
b) What are minimum set of guidelines for formal technical review? 7

OR

6. a) Explain various software configuration management task. What is version control. 7
b) What is carried value analysis? Explain with suitable example. 7
7. a) Explain relationship between modularity and software cost. 7
b) What are guideline principles of Requirement engineering? Explain. 6

OR

8. a) Explain software requirement specification document in detail. 7
b) What is software prototyping? State the software specification principles. 6

9. a) What is task analysis and modeling? 7
b) Explain golden rule for user interface design. 6

OR

10. a) Explain the steps for component level design. 7
b) Explain the basic steps for Transform mapping. 6
11. a) Explain verification and validation in detail. 7
b) What is software testing? Explain testing objective, testing principles. 6

OR

12. a) Explain why regression testing is necessary. 6
b) Explain unit testing & black box testing in brief. 7

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