

CSE504 - Software Engineering

P. Pages : 1

Time : Three Hours



GUG/W/16/3703

Max. Marks : 80

- Notes :
1. All questions carry equal marks.
 2. Illustrate your answers wherever necessary with the help of neat sketches.
 3. Due credit will be given to neatness and adequate dimensions.
 4. Assume suitable data wherever necessary.

1. a) What do you mean by Software? Explain different applications of Software. **8**
b) Differentiate software engineering methods, tools & procedures with respect to layered technology. **8**

OR

2. a) State & explain evolutionary process models. **8**
b) Explain waterfall model in detail. Also write drawbacks of waterfall model. **8**
3. a) Discuss software project estimation in detail. **8**
b) What are the measures? Discuss the reasons to measure. **8**

OR

4. a) Write notes on : **8**
i) Restructuring ii) Forward Engineering
b) What do you mean by risk with respect to software? Explain risk management. **8**
5. a) Discuss Seven Core principles of Software engineering. **8**
b) Explain construction practice in detail. **8**

OR

6. a) Explain system engineering hierarchy with diagram. **8**
b) State different architectures & explain any two among them. **8**
7. a) What are the different techniques proposed for requirement elicitation? **8**
b) Explain data modeling concepts in detail. **8**

OR

8. a) Write notes on : **8**
i) Flow – oriented modeling. ii) Class – Based modeling.
b) Explain pattern based software design. **8**
9. a) What do you mean by software testing? Explain software testing life cycle. **8**
b) Explain incremental & non – incremental integration testing. **8**

OR

10. a) How to compute cyclomatic complexity in white box testing? Explain with suitable example. **8**
b) What is validation testing? Differentiate validation & verification. **8**
