

B.E. / B.Tech. Computer Science & Engineering (Model Curriculum) Semester-V
TEE1062CS / SOFT1 - Software Engineering

P. Pages : 1

Time : Three Hours



GUG/W/24/13817

Max. Marks : 80

- Notes :
1. All questions carry equal marks.
 2. Illustrate your answers wherever necessary with the help of neat sketches.
 3. All questions are compulsory.

1. a) Explain Capability Maturity model Integration. 8
b) Explain Waterfall model with suitable example. Also write its advantages and drawbacks. 8

OR

2. a) What are different types of Myths? Explain. 8
b) Explain SPIRAL model and V-Model of software lifecycle. 8

3. a) Explain Process metrics and project metrics in detail. 8
b) Explain Restructuring & also discuss Economics of Re-Engineering. 8

OR

4. a) Explain Make / Buy decision in detail. 8
b) Write note on Software Prototyping. 8

5. a) Discuss communication practices with respect to software engineering. 8
b) Discuss System Engineering process in detail. 8

OR

6. a) Explain Hatley-Pirbhai Modeling. 8
b) Discuss seven Core principles of Software Engineering. 8

7. a) What are the different techniques proposed for requirement elicitation? 8
b) Explain Data Modelling concepts in detail. 8

OR

8. a) Write note on- 8
 i) Flow-oriented modelling
 ii) Class-Based Modelling
b) Explain Pattern based software design. 8

9. a) Discuss the term “Software Configuration Management”. 8
b) What is the difference between conventional testing and object oriented testing. 8

OR

10. Explain computer aided software engineering tools. 16
(CASE tools)
