

IV B.Tech I Semester Supplementary Examinations, April/May 2005
SOFTWARE ENGINEERING-II
(Information Technology)

Time: 3 hours

Max Marks: 70

Answer any FIVE Questions
All Questions carry equal marks

1. (a) List and explain the metrics for the analysis model.
(b) Describe the metrics for source code, testing and maintenance.
2. (a) Describe the object behavior model with necessary illustrations.
(b) Describe the differences between static and dynamic views of an object oriented system, with suitable illustrations.
3. (a) Describe the object oriented design landscape.
(b) What are design patterns? Explain how the design patterns are useful in the OOD process.
4. (a) Describe the test case design methods for OO software.
(b) Write a brief notes on interclass test case design methods.
5. (a) Describe the class-oriented metrics.
(b) Describe the operation-oriented metrics and the metrics for object-oriented testing.
6. (a) Describe the ten commandments of formal methods.
(b) What are the formal specification languages? Describe their distinct features.
7. (a) Write a brief notes on clean room testing.
(b) Write a brief notes on component-based development.
8. Write brief notes on the following:
 - (a) Software reengineering
 - (b) Code restructuring.
