Software Engineering

(COMPUTER SCIENCE & ENGINEERING)

UNIT-1

1. a) Define Software engineering? Describe different types of software's. 7M
   b) Summarize different software process models 7M

   (OR)

2. a) differentiate between software process and software myths with examples. 7M
   b) Describe the characteristics of prescriptive process models. 7M

UNIT-II

3. a) Explain the software requirement specification. 7M
   b) Compare and contrast cohesion and coupling 7M
   (OR)
4. a) What is meant by the requirements gathering and analysis. Explain. 7M
   b) Describe the overview of the design process. 7M

UNIT-III

5. a) Summarize the characteristics of function oriented software design. 7M
   b) Explain different types of user interface. 7M
   (OR)
6. a) Develop a DFD model of a hotel management system. 7M
   b) Describe various features of object oriented design. 7M

UNIT-IV

7. a) Differentiate between coding and code review. 7M
   b) What is meant by testing. Explain various types of testing. 7M
   (OR)
8. a) Differentiate between black-box testing and while box testing. 7M
   b) Describe the procedure of testing object oriented programs. 7M

UNIT-V

9. a) Differentiate between software reliability and software. 7M
   b) Explain software quality management system. 7M
   (OR)
10. a) Analyse and compare the feature of maintenance process models. 7M
    b) Write about software quality management system. 7M