



12. (a) Explain briefly the requirement engineering process with neat sketch and describe each process with an example. (16)

Or

- (b) Explain briefly the prototyping approaches with examples. (16)

13. (a) Discuss in detail about the real time and distributed system design architecture. (16)

Or

- (b) (i) Describe how the DFD is important in system design with an example. (8)

- (ii) Write detailed notes on real time executives and its components. (8)

14. (a) Write elaborately on unit testing and regression testing. How do you develop test suites. (16)

Or

- (b) (i) What is cyclomatic complexity and what are the ways to compute it? (6)

- (ii) List out the steps to select the path in data flow testing? (5)

- (iii) What are the different classes of loops in loop path testing? (5)

15. (a) List out the various CASE tools based on functions. (16)

Or

- (b) Explain in detail about the importance of COCOMO model and explain how it is achieved? (16)