



12. (a) (i) What are the components of the standard structure for the software requirements document? Explain in detail. (8)
- (ii) Write the software requirement specification for a system of your choice. (8)

Or

- (b) What are the types of behavioural models? Explain with examples.

13. (a) Explain in detail about any four architectural styles.

Or

- (b) (i) What are the characteristics of a real-time system? Explain why real-time systems usually have to be implemented using concurrent processes. (6)
- (ii) Illustrate with the aid of an appropriate example how to design a real-time monitoring and control systems. (10)

14. (a) Explain in detail about the Integration testing.

Or

- (b) Explain in detail about Basis path testing

15. (a) (i) What is COCOMO model? Explain in detail. (8)
- (ii) What are CASE tools? Explain the role of CASE tools in software development process. (8)

Or

- (b) (i) Elaborate on Software Configuration Management. (10)
- (ii) What are the categories of software risks? Give an overview about risk management. (6)