



12. a) i) Discuss the distinct tasks involved in requirement engineering process. (9)
- ii) What does win-win mean in the context of negotiation during the requirements engineering activity? (4)
- (OR)
- b) Draw a Petri Net that depicts the operation of an "Automated Teller Machine". State the functional requirements you are considering. (13)
13. a) What is software architecture? Outline the architectural styles with an example. (13)
- (OR)
- b) Outline the steps in designing class based components with an example. (13)
14. a) Elaborate path testing and regression testing with an example. (13)
- (OR)
- b) i) Explain how Business Process Reengineering (BPE) helps to achieve a defined business outcome. (8)
- ii) Outline how the reverse engineering process helps to improve the legacy software. (5)
15. a) Elaborate the cost estimation COCOMO II cost estimation model. (13)
- (OR)
- b) Present a detailed note on risk management. (13)

PART – C

(1×15=15 Marks)

16. a) Prepare a software requirement specification document for a "Library Management System". (15)
- (OR)
- b) Outline the steps in function point analysis with an example. (15)
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