

Note: Attempt all questions. Each question carry equal marks.

1. a) Explain the Component industry metaphor with example. 7
- b) Compare the component based software engineering and traditional software engineering. 7
- OR
2. a) With a neat diagram, explain the implementation of an Air Conditioner machine Components. 7
- b) With a neat diagram, describe the component based Software engineering. 7
3. Explain the various risk factors in component - based software engineering. 14
- OR
4. Describe the component based software engineering success factors with reference to traditional software engineering. 14
5. a) Explain the role of UML in Component - based software engineering. 7
- b) Describe the term, models of modularity and integration. 7
- OR
6. Explain RMI interface, remote processing, implementation of client and server with appropriate programs. 14
7. a) What is the Component Management Process? Why do we need a Component Manager? 7
- b) What do you mean by component testing? Differentiate between unit testing and Integration testing of component. 7
- OR
8. a) Describe the software component project management processes. 7
- b) Why do we need Measurement or metrics? How to make good metrics? 7
9. Describe the CORBA Component Model in detail. 14
- OR
10. Describe the Enterprise JavaBeans components with suitable example. 14