

[Time: 3 Hours]

[ Total Marks: 80]

- N.B:**
- 1) Question No.1 is compulsory.
  - 2) Answer any three out of remaining questions.
  - 3) Assume suitable data if necessary.
  - 4) Figures to the right indicate full Marks.

- Q.1 Attempt **any Four:** **20**
- a) List connector types and their variation dimensions.
  - b) What is Reference architecture? Explain in brief.
  - c) Explain Goals of Analysis in brief.
  - d) Explain Software Architects Roles.
  - e) What are the advantages and disadvantages of pipe and filter.
- Q.2 a) Discuss Software Architecture Model. **10**  
b) Explain in brief system stakeholders. **10**
- Q.3 a) Explain in detail specific modeling techniques. **10**  
b) List types of analysis and explain analysis techniques. **10**
- Q.4 a) Differentiate between Domain –Specific Software Engineering, `Domain-Specific Architecture. **10**  
b) Explain Service oriented Architectures. **10**
- Q.5 a) Distinguish between Distributed and Network Architectures. **10**  
b) What is the development concept? Explain Deployment and Mobility Challenges. **10**
- Q.6 Write Short note on ( **Any two**) **20**
- a) Aspect oriented Architecture
  - b) Architectures for Network Based Applications
  - c) Mobility challenges.
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