

(3 Hours)

[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.

- Q1. 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 & filter.
- Q2. (a) Discuss Software Architecture Model. 10
- Q2. (b) Explain in brief system stakeholders. 10
- Q3. (a) Explain in detail specific modeling techniques. 10
- Q3. (b) List types of analysis and explain analysis techniques. 10
- Q4. (a) Differentiate between Domain-Specific Software Engineering, Domain-Specific Architecture. 10
- Q4. (b) Explain Service oriented Architectures. 10
- Q5. (a) Distinguish between Distributed and Network Architectures. 10
- Q5. (b) What is the deployment concept? Explain Deployment and Mobility Challenges. 10
- Q6. Write short note on any TWO. 20
- a) Aspect oriented Architecture
 - b) Architectures for Network Based Applications
 - c) Mobility Challenges
