

Q.P. Code : 27659

[Time: 3 Hours]

[Marks: 80]

Please check whether you have got the right question paper.

N.B: 1. Question No. 1 is compulsory.

2. Attempt any three questions out of remaining questions.

3. Make suitable assumptions whenever necessary.

- Q.1. a) Design Domain-Specific Software Architecture (DSSA) for online Admission in First Year Engineering Colleges website Management System. Assume suitable entities, attributes etc. Domain Model must consists following: - 20
- a) Domain Dictionary and Information Model.
 - b) Feature Model and Operational Model.
- Q.2. a) Define Architectural patterns. Explain any one Pattern with an example. 10
- b) Define the following terminology: - 10
- 1) Connector
 - 2) Configuration
 - 3) Accuracy
 - 4) Architectural Analysis
 - 5) Precision
- Q.3. a) "Focus on Architecture is focus on Reuse". Comment. 10
- b) What is perspective and descriptive architecture? Give one Example. 10
- Q.4. a) Explain the distributed object style in connection with CORBA middleware. 10
- b) Discuss Design issues for NFP's: Complexity and Heterogeneity. 10
- Q.5. a) Discuss frameworks for the Pipe-and-Filter Architectural Style. 10
- b) What is REST? Explain its Architecture. 10
- Q.6. a) Write short notes on the following. (Any Two) 20
- a) xADL.
 - b) ATAM
 - c) Stakeholder driven modelling
 - d) SOA and Web Services.
