

[Time: 3 Hours]

[Marks: 80]

Please check whether you have got the right question paper.

- N.B:
1. Q1 is compulsory
 2. Attempt any three from Q2 to Q6
 3. Assume data if required

1.
 - a) Define Architecture and Architectural Perspective 05
 - b) Explain four stages of Design 05
 - c) Define architectural model. Give example of three tier architecture 05
 - d) How are connectors different from component 05
2.
 - a) Explain design process. 10
 - b) Explain Architectural Pattern Model-View-Controller for GUI. 10
3.
 - a) What are the services provided by the connector? Give example for each. 10
 - b) Explain 10
 - i. Static and dynamic aspects
 - ii. Functional and nonfunctional aspects
4.
 - a) What is role of connector? Explain event connector. 10
 - b) Explain key concepts which can be used to characterize architectural model. 10
5.
 - a) Explain goals of analysis model. What are types of analysis? 10
 - b) What is framework? How framework is evaluated. 10
6.
 - a) What are mobility and deployment challenges for modern software. 10
 - b) How efficient software component can be build explain with suitable example. 10