

Q.P. Code : 622401

## OLD COURSE

(3 Hours)

[ Total Marks : 100

- N.B. : (1) Question No.1 is compulsory.  
 (2) Attempt any four questions from the remaining.

1. Attempt any four from the following questions..

- |       |  |    |
|-------|--|----|
| a)    | Compare and contrast stream connector and linkage connector.   | 5  |
| b)    | What is reference architecture? How does it differ from ordinary software architecture?                              | 5  |
| c)    | Differentiate architectural erosion and architectural drift  | 5  |
| d)    | What is a difference between view and viewpoint?   | 5  |
| e)    | Differentiate software architecture and software design.   | 5  |
|       |  |    |
| 2. a) | Explain C2 style architecture.   | 10 |
| b)    | What is architectural pattern? Explain any one pattern in detail with example.                                       | 10 |
|       |  |    |
| 3. a) | Compare and contrast event-based and client-server based data distribution connector.                                | 10 |
| b)    | What is stakeholder driven modelling?  | 5  |
| c)    | Explain basic features of xADL.  | 5  |
|       |  |    |
| 4. a) | List various architectural styles. What are the differences between architectural styles and Architectural patterns. | 10 |
| b)    | Explain simulation base framework  | 5  |
| c)    | Explain 4+1 view in UML?   | 5  |
|       |  |    |
| 5. a) | What is Domain specific software architecture?   | 10 |
| b)    | What is perspective and descriptive architecture   | 10 |
|       |  |    |
| 6. a) | Explain in brief the guidelines of a good Software architecture for achieving NFP (no-functional property) goals.    | 10 |
| b)    | Explain with an example software System Mobility and Architecture  | 10 |
|       |  |    |
| 7.    | Write short notes on (any two):  | 20 |
| i)    | SOA and web services?  |    |
| ii)   | ATAM   |    |
| iii)  | REST   |    |