

Total No. of Questions : 12]

Nov - Dec - 2012

SEAT No. :

P1200

[4264]-697

[Total No. of Pages : 3

**B.E. (Computer Engineering)
SOFTWARE ARCHITECTURE
(2008 Pattern) (Elective - I) (Sem. - I)**

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates:

- 1) Answers to the two sections should be written in separate books.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) All questions carry equal marks.
- 5) Assume suitable data, if necessary.

SECTION - I

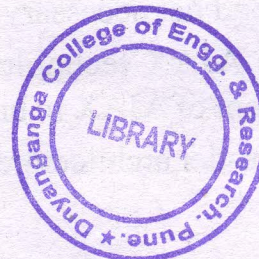
- Q1) a) Draw and explain the software 'architecture business cycle'. [6]
b) What are common module - based structures? Briefly explain each of them. [6]
c) What are architectural patterns? How are they different from design patterns? [6]

OR

- Q2) a) How software architectures are influenced by the following : [6]
i) Stakeholders
ii) Developing organization.
iii) Technical Environment.
iv) Architect's experience
b) Explain '4 +1' views with the help of suitable diagram. [6]
c) The software architecture is compared with building architecture. What is correspondence of building architecture to software architecture structures and patterns? [6]

- Q3) a) Compare faults and failures. [4]
b) State various reasons for modifying a software system. [4]
c) Define the following terms : [8]
i) Confidentiality
ii) Testability
iii) Time-to-market
iv) Response time

OR



P.T.O.

