

Total No. of Questions : 12]

SEAT No. :

P1143

[Total No. of Pages : 3

[4163] - 350

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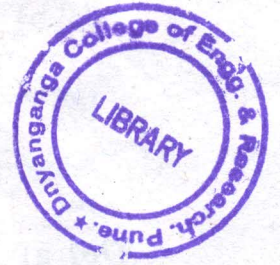
**T.E. Computer Engineering  
SOFTWARE ENGINEERING  
(2008 Pattern) (Sem. - II)**

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates:

- 1) Answer to the two sections should be written in separate answers books.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume suitable data, if necessary.
- 5) Answer any three questions from each section.



**SECTION - I**

- Q1) a) What are the characteristics of software which make its Engineering different from Industrial Manufacturing? [5]
- b) What is a Software Engineering Process? Why is a "faulty process" one of the important reasons for project failure? [5]
- c) Write notes on i) PSP and TSP ii) XP [7]

OR

- Q2) a) State a software myth each which customers, developers and project manager believe. What is the reality in each case? [5]
- b) Explain Evolutionary Process Models mentioning the types of projects for which they are suitable. [6]
- c) Compare the traditional approaches to software development with Agile methods by highlighting their pros and cons. [6]

- Q3) a) Explain the following data modeling concepts : [5]
- i) Data objects
  - ii) Relationships
  - iii) Cardinality and modality
- b) For "Banking System", make your assumptions about the scope of the system, identify four use cases and depict them in a diagram. [4]
- c) Draw and explain context level, level 1 and level 2 DFD for college gathering. [8]

P.T.O

