

**(DCS 323)**

**B.Tech DEGREE EXAMINATION, MAY - 2015**

**(Examination at the end of Third Year)**

**COMPUTER SCIENCE & IT**

**Paper - III : Software Engineering**

**Time : 3 Hours**

**Maximum Marks : 75**

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**Answer question No.1 compulsory**

**(15)**

**Answer ONE question from each unit**

**(4 × 15 = 60)**

**1) Write short notes on :**

- a) Define software.
- b) Explain process frame work.
- c) What are planning practices.
- d) What is a component?
- e) Define software Quality.

**UNIT - I**

- 2) a) Explain the changing nature of software. [5]**
- b) Explain about process Assessment. [5]**
- c) Explain about CMMI. [5]**

**OR**

- 3) a) Explain about Spiral Model. [8]**
- b) Explain about Software Requirements Document. [7]**

**UNIT - II**

- 4) a) Explain about Requirements Engineering tasks. [8]**
- b) Write the principles of modeling practices. [7]**

**OR**

- 5) Explain in detail about Class Based Modeling. [15]**

**UNIT - III**

6) Explain in detail about Design Concepts of Software engineering. [15]

OR

7) a) Explain the Golden Rules in detail. [8]

b) Differentiate between Graphical Design Notations and Tabular Design Notations. [7]

**UNIT - IV**

8) a) Differentiate between validation Testing and Verification Testing. [8]

b) Explain the metrics for Testing Product. [7]

OR

9) a) Explain about Software Testing for Conventional Software. [7]

b) Explain about White Box and Black Box Testing. [8]

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