

PAPER ID-

Roll No. to be filled in your Answer Book

Roll No.

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**B.Tech.**  
**CSE,IV**  
**SOFTWARE ENGINEERING**  
**(TCS-406/TIT-406)**

Time- 3 Hours

Max marks: 50

**NOTE:**

- i. All questions are compulsory.
- ii. Draw diagrams wherever necessary.
- iii. All questions carry equal marks. .

1. Attempt any **TWO** parts of the following. 5 X 2
  - (A) What is software? Discuss the Software Engineering Approach.
  - (B) What is software development process? How it is different from software programming?
  - (C) Define Abstraction and Modularity of software?
  
2. Attempt any **TWO** parts of the following 5 X 2
  - (A) What is Software Configuration Management? Discuss SCM in detail?
  - (B) Discuss direct and indirect measures of software development?
  - (C) What is Data Flow Diagram? How can we build data flow-oriented design?
  
3. Attempt any **TWO** parts of the following 5X2
  - (A) What is water fall life cycle model? Discuss its advantages and disadvantages?
  - (B) What is Software Quality Assurance? What are different methods of Software Quality Assurance?
  - (C) What is Distributed System design? Discuss its area of application?
  
4. Attempt any **TWO** parts of the following 10X2
  - (A) Discuss the various stages of SDLC.
  - (B) Discuss cohesion and coupling in software design. How they are related?
  - (C) Explain the different ways for specifying requirement in SRS and also explain the IEEE standard for SRS.

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