

Seat No. **OCT-NOV 2025 WINTER EXAMINATION****1154 B.Tech. CBCS****Sub. Name: Software Engineering****Sub. Code: 86171****Day and Date: Friday ,05-12-2025****Total Marks: 70****Time: 10:30 AM To 01:00 PM****Instructions:**

- Special Inst.:**
1. Question no. 6 is compulsory
  2. Solve any four questions from Q. No. 1 to Q. No.5
  3. Assume suitable data wherever necessary
  4. Figures to the right indicate full marks

- Q1)** a. What is the software development process model? Explain the iterative development model. (8 Marks) **[15]**  
b. What is SRS? Explain the characteristics of SRS. (7 Marks)
- Q2)** a. Explain the Timeboxing Model with its types. (8 Marks) **[15]**  
b. Explain the project plan. Explain the different sections in the project plan. (7 Marks)
- Q3)** a. Explain the Functional requirement and Performance requirements documentation in SRS. (8 Marks) **[15]**  
b. State and explain the principles of process scheduling. (7 Marks)
- Q4)** a. Explain Complexity Metrics for Function-Oriented Design & Complexity metrics for OO Design. (8 Marks) **[15]**  
b. Explain what is DFD. Draw and DFD for an ATM. (7 Marks)
- Q5)** a. Explain the concept of code review. Also, explain the types of it. (8 Marks) **[15]**  
b. What is ISO 9000 certification? Explain in detail. (7 Marks)
- Q6)** Write a short note on: (any 2) **[10]**  
a. Class Diagram  
b. COCOMO model  
c. White-Box Testing

**End Of Question Paper****Important Note for Chief Exam Officer / SRPD Coordinator / Sr Supervisor/ Student -**

This Question Paper may be distributed for following Subjects as common code.

सदरची प्रश्नपत्रिका खालील विषयांकरिता वितरित करता येईल.