Seat No.	

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S.Y. B.Tech. (Computer Science and Engineering) (Semester - IV) (CBCS) (AIML) Examination, January - 2024

SOFTWARE ENGINEERING

Sub. Code : 86171

Day and Date : Monday, 01 - 01 - 2024 **Total Marks : 70**

Time : 02.30 p.m. to 05.00 p.m.

Instructions :
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) Explain Prototyping in detail. **[8]**

b) List and explain what are the steps of software development process. **[7]**

Q2) a) Explain different terminology of ER model. **[8]**

b) Explain Waterfall model in detail. **[7]**

Q3) a) What is SRS explain in detail. **[8]**

b) Explain Unit Testing in brief. **[7]**

Q4) a) Explain why software testing is necessary, state different type of software testing methods. **[8]**

b) Explain integration testing in detail. **[7]**

Q5) a) Explain different terminology of ER Diagram. **[8]**

b) Explain ISO 9000. **[7]**

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Q6) Write a short note on: (Any 2) **[10]**

a) Project staffing

b) CMM (Capability maturity model)

c) White box and Black box testing

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