



**Mid Term Evaluation Theory (Even) Semester Regular Examination February 2026**

Roll no... ....

Name of the Course: **B.Tech. CSE**

Semester: **6<sup>TH</sup>**

Name of the Paper: **Software Engineering**

Paper Code: **TCS 611**

Time: **1.5 hour**

**Maximum Marks: 50**

**Note:**

- (i) Answer all the questions by choosing any one of the sub-questions
- (ii) Each question carries 10 marks.

**Q1.**

**(10 Marks)**

- a. Define the term software engineering. Explain the common steps involved in developing a software.

CO1

OR

- b. What is the significance of software crisis in reference to software engineering discipline? Discuss in detail the problems and causes of software crisis.

CO1

**Q2.**

**(10 Marks)**

- a. Explain the Spiral model in detail. How Spiral model is different from other models?

CO1

OR

- b. What types of Prototyping is used in software development? Explain each.

CO1

**Q3.**

**(10 Marks)**

- a. Explain levels of software reuse. Explain reuse in agile development environments.

CO1

OR

- b. Why we use SRS? Explain SRS with its complete structure.

CO2

**Q4.**

**(10 Marks)**

- a. Discuss about the characteristics which make a user requirements enduring and volatile? How do enduring and volatile requirements affect system design differently?

CO2

OR

- b. Describe techniques to overcome barriers in user's requirements elicitation.

CO2

**Q5.**

**(10 Marks)**

- a. Draw a DFD for banking management system. Assume all the processes and modules of your choice.

CO2

OR

- b. Discuss about some non-traditional requirements analysis tools and do comparison with its features.

CO2