

[Nov-23]

GITAM (Deemed to be University)
[CSEN1131]

GST/GSS/GSB/GSHS Degree Examination
V Semester

SOFTWARE ENGINEERING
(Effective from the admitted batch 2021–22)

Time: 2 Hours

Max.Marks: 30

Instructions: All parts of the unit must be answered in one place only.

SECTION-A

1. Answer all the questions. (5x1=5M)

- a) What is SDLC?
- b) What is the primary objective of the Sprint Planning meeting in Scrum?
- c) Define cohesion.
- d) What is integration testing?
- e) Define risk analysis.

SECTION-B

Answer the following: (5x5=25M)

UNIT-I

- 2. What is software engineering? Explain the importance of software engineering.**

OR

- 3. Identify and discuss any two common issues faced in software development before the adoption of systematic processes.**

UNIT-II

4. What is Requirements Engineering? Discuss different tasks involved in requirement engineering.

OR

5. With a neat block diagram, explain Rapid Unified Process (RUP) model.

UNIT-III

6. Discuss in brief about cohesion and coupling.

OR

7. Develop a collaboration diagram for railway reservation system.

UNIT-IV

8. Discuss the concept of the “cost of bugs” and how it evolves through different stages of the development process.

OR

9. Explain any testing tool and its role in the testing life cycle.

UNIT-V

10. Explain the importance of planning activities in software development.

OR

11. Discuss how effective life cycle management contributes to successful software projects.