

GITAM (Deemed to be University)
GST/GSS/GSB/GSHSS Degree Examination
V Semester
CSEN1131 : SOFTWARE ENGINEERING

Time: 2 Hours

Max. Marks: 30

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

Section - A

- 1. Answer all questions** **(5x1=05)**
- a. What does SCM stand for in software development?
 - b. What strategies can be implemented to minimize the risks associated with changing requirements?
 - c. Draw the Sequence Diagram for a user placing an order on an e-commerce platform.
 - d. Why we are using cyclomatic complexity metric and how to compute cyclomatic complexity metric in different ways
 - e. Describe the steps for risk management.

Section - B

Answer the following **(5x5=25)**

UNIT - I

2. Describe the different types of process flows to develop the product.

OR

3. Analyze the differences between developing a software product and a custom software solution. Discuss the challenges associated with each.

UNIT - II

4. Draw the diagram of scrum process flow and explain.

OR

5. Describe various uses of Use Cases and Scenarios in understanding of the requirements, and demonstrate various capabilities of them with live examples.

UNIT - III

6. List out the design concepts and explain any four concepts.

OR

7. Explain the Top-down design Strategies and Justify it with suitable example.

UNIT - IV

8. How software development cost is affected due to bugs throughout the life cycle?

OR

9. List out different testing techniques of system testing and explain.

UNIT - V

10. Draw the diagram of Project Management Lifecycle phases and explain the responsibilities of project manager in every phase.

OR

11. Project manager can be analyse the estimation of the project on which areas and explain about cost estimation of the project with required fields.