

# UNIT-1 : Software Product & Software

## Process



## UNIT-WISE PYQ ANALYSIS (2022–2025)

### UNIT-1: Software Product & Software Process

#### Repeated Questions

Question	2022	2023	2024	2025	Frequency
Waterfall / Linear Sequential Model	✗	✗	✗	✓	1
RAD Model	✓	✗	✓	✗	2
Spiral Model	✗	✓	✗	✓	2
Incremental Model	✗	✗	✓	✗	1
Component Assembly Model	✗	✗	✗	✓	1
RUP	✗	✓	✗	✗	1
CMM Levels	✗	✗	✓	✓	2

Product vs Process Characteristics	✓	✗	✗	✓	2
Process Customization	✓	✗	✗	✓	2

## June 2025

1. Differentiate between Software Product Characteristics and Software Process Characteristics.
2. Explain Linear Sequential (Waterfall) Model with advantages.
3. What is Component Assembly Model? How is it different from Incremental Model?
4. Explain Process Customization and Improvement with reference to CMM.

## Dec 2024

1. Explain RAD Model with neat diagram.
2. Describe Prototyping Model.
3. Draw and Explain Incremental Model with merits and demerits.

## June 2024

1. Explain key features of Software Process Models.
2. Write about CMM and its use for Software Quality.

## Nov 2023

1. What is Spiral Model? Explain with diagram.
2. Explain SDLC phases.
3. Describe RUP and Agile Processes.

## June 2023

1. Discuss Evolutionary Process Model.
2. Explain RAD Model and applications.

## **Nov 2022**

1. Explain Component Assembly Model and RUP.
2. Explain CMM Levels.
3. Write characteristics of Software Engineering.

## **June 2022**

1. Difference between Software Product and Software Process.
2. How do you customize Software Development Process?
3. Explain RAD Model.