

SNS COLLEGE OF ENGINEERING

An Autonomous Institution

(Accredited by NAAC-UGC with 'A' Grade, Approved by AICTE & Affiliated to Anna University)

DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year 2024-2025(EVEN)

UNIT I - SOFTWARE PROCESS AND AGILE DEVELOPMENT

1. Anagram Puzzle

🔍 Unscramble the following letters to find a key software process term:
"EILCAS"

(Hint: It represents a structured approach to software development.)

2. Riddle

I am an iterative approach where changes are welcome. My framework includes Scrum and Kanban. What am I?

3. Word Association

↔ Which word does NOT belong to the group?

- a) Sprint
- b) Waterfall
- c) Iteration
- d) Agile

4. Missing Word Puzzle

🔍 Agile Manifesto values: **Individuals and interactions over _____ and tools.**

5. Logical Deduction

III A development team follows a plan-driven approach and does not accommodate change requests after the initial phase. Which model are they following?

6. Crossword Clue

□ A visual board used in Kanban to track workflow. (**7 letters**)

7. Odd One Out

◆ Which one doesn't fit?

- a) Scrum Master
- b) Product Owner
- c) Gantt Chart
- d) Development Team

8. Number Puzzle

3/4 Agile teams work in time-boxed cycles called sprints. If each sprint lasts **2 weeks**, how many sprints fit into a **12-week** project?

9. Acronym Challenge

ab What does **XP** stand for in Agile methodologies?

10. Word Scramble

↻ Unscramble this Agile term: "**CTOBKAOLG**"
(Hint: It contains prioritized requirements.)

11. True or False

✓✗ In Scrum, a sprint can be extended if the team needs more time to complete their tasks.

12. Fill in the Blank

📌 The three pillars of Scrum are **Transparency, Inspection, and _____**.

13. Code Decryption

🔒 If **C = 3, R = 18, U = 21, M = 13**, what is the full Agile framework name?

14. Reverse Thinking

🔄 Agile focuses on delivering working software, but which **non-functional requirement** is often sacrificed due to rapid iterations?

15. Pattern Recognition

🔍 Identify the pattern:

- Waterfall → Sequential
- Agile → ?

16. Story Mapping Puzzle

📌 In Agile, what do we call small, independent units of functionality that add value to the customer? (**Two words**)

17. Logical Matching

↔ Match the Agile term with its correct description:

- **Scrum Master** → a) Defines product requirements
- **Product Owner** → b) Facilitates Agile processes
- **Development Team** → c) Builds the product

18. Abbreviation Expansion

📌 Expand the abbreviation **DSDM** in Agile methodologies.

19. Hidden Word

🔍 Find the Agile-related term hidden in this sentence:

*"The **sprinter** quickly ran across the track."*

20. Critical Thinking

💡 In Agile, we prioritize customer collaboration over contract negotiation. How does this principle improve software development?