

Lamrin Tech Skills University Punjab University

School of Engineering & Technology

Program: B.Tech MST-I Sept. 2024 Semester: 3 Time: 1.5 hrs. Max. Marks: 25

Principle of Modern Software Engineering (UGCS-207)

INSTRUCTIONS TO CANDIDATES

1. SECTION – A is Compulsory; carrying one marks each.
2. SECTION – B you have to attempt 3 questions carrying 5 marks each.
3. SECTION – C you have to attempt 1 question carrying 8 marks each.

Section-A (5x1=5)

Q1.

- (i) Define the incremental process model in software development.
- (ii) Explain challenges arise due to the changing nature of software.
- (iii) Illustrate the key phases of the Waterfall model in software development?
- (iv) What are the different types of process patterns?
- (v) Why is the notion that "the customer can change requirements at any time with no impact" a myth?

Section-B (3x4=12)

- Q2. How has the role of software evolved in modern society?
- Q3. List are the key characteristics of modern software.
- Q4. Explain are the four layers of software engineering.
- Q5. List the key components of a software process framework?
- Q6. Illustrate the Capability Maturity Model Integration (CMMI).

Section-C (1x8=8)

- Q7. Discuss some common myths about software development?
- Q8. Explain evolutionary process models in software engineering?