

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?