

**Fourth Semester FYUGP Degree (Reg) Examination April
2026**

KU4DSCCAP207 - SOFTWARE ENGINEERING

2024 Admission onwards

Time : 2 hours

Maximum Marks : 70

Section A

Answer any 6 questions. Each carry 3 marks.

1. Explain regression testing.
2. Define error, mistake and failure.
3. Write any four basic object-oriented concepts.
4. What is Publish-Subscribe pattern?
5. What is Unified Process Model?
6. What is layered architecture in software engineering?
7. What do you mean by design review?
8. Compare Function oriented approach and object oriented approach?

Section B

Answer any 4 questions. Each carry 6 marks.

9. Explain package diagram, component diagram and deployment diagram.
10. Explain the activity diagram with a suitable example.
11. Discuss OOAD methodology in brief.
12. The software design is important. Why?
13. Describe about different types of coupling.
14. Discuss about function oriented software Design.

Section C

Answer any 2 questions. Each carry 14 marks.

15. Compare waterfall model and RAD models in detail.
16. Explain Scrum Model in detail. Describe its roles, events, artifacts, and benefits.
17. Explain ISO 9000 and its purpose.