

62461

Reg. No. P18IW21SK

II Semester M.C.A. Degree Examination, December - 2022

COMPUTER SCIENCE

Software Engineering

(CBCS 2020-21 Y2K20 Scheme)

Paper : 2 MCA 4

Time : 3 Hours

Maximum Marks : 70

Instruction to Candidates:

Answer ALL the Parts.

PART - A

Answer any FIVE questions.

(5×6=30)

1. Define Agile software development. Explain Agile manifesto.
2. Differentiate between Agile software development and Waterfall model.
3. Explain basic practices of Agile software development.
4. Explain with the help of suitable example that how Agile helps to build quality product.
5. What is meant by user stories? How are they used in Agile? Discuss with the help of suitable example.
6. What is Test-Driven Development? Explain with the help of a suitable project.
7. Define refactoring. Explain how refactoring helps in Agile development.
8. Describe state chart diagram with example.

PART - B

Answer any FOUR questions.

(4×10=40)

9. Explain how to measure risk in project risk analysis. (10)
10. a) Construct an interaction diagram by considering company software. (5)
b) Briefly discuss about modularity and functional independence. (5)
11. Explain how planning session reflect in role of Agile software teams. (10)
12. Detail the code of ethics and professional practice in Agile teams. (10)
13. a) Explain the framework for the end of release retrospective. (5)
b) Explain application of Agile practices in retrospective. (5)
14. a) Describe software development management. (5)
b) Describe coaching framework. (5)