II Semester M.C.A. Examination, November/December 2023
(CBCS) (2020 – 21 and Onwards)
COMPUTER SCIENCE
2MCA4 : Software Engineering

Time : 3 Hours   Max. Marks : 70

Instruction : *Answer any 5 full questions from Part – A and any 4 full questions from Part – B.*

PART – A

Answer **any 5 full** questions.   (5×6=30)

1. State and elucidate Agile Manifesto in detail.   6
2. Give a description of role scheme in Agile teams.   6
3. Write a short note on pair programming, refactoring, refinement.   6
4. Depict the concept of sustainable pace and also write its importance. 6
5. How to achieve tightness of agile methods ? Explain in detail.   6
6. Designate the role of short releases and iterations in learning process. 6
7. Categorize delivery and cyclicality in learning environments.   6
8. Illustrate advantages of global software development in detail.   6

PART – B

Answer **any 4** questions.   (4×10=40)

9. With the help of example illustrate use case, class, interaction and activity diagram.   10
10. Give details of Agile software development in learning environments. 10
11. List and narrate the time related problems of software projects.   10
12. How does test driven development overcome some of the problems inherent in testing ?   10
13. Characterize role scheme in Agile software team and also designate role activities.   10
14. Write a short note on :
    i) Reflective practitioner perspective.   5
    ii) Retrospective.   5