

TILAK MAHARASHTRA VIDYAPEETH, PUNE
MASTER OF SCIENCE (M.Sc) in COMPUTER APPLICATIONS
EXAMINATION : MAY - 2026
SEMESTER – IV

Sub : Software Project Management (MSC24-402)

Date : 28/05/2026

Total Marks : 60

Time: 2.00pm to 4.30pm

Instruction:

1. All questions are compulsory unless and otherwise stated.
2. Bold figures to the right of every question are the maximum marks for that question.
3. Candidates are advised to attempt questions in order.
4. Answers written illegibly are likely to be marked zero.
5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
6. Draw neat and labelled diagram wherever necessary.

Q. 1. Answer the following in 2 - 3 lines. (Any 5) (10)

1. What is a software project?
2. Differentiate between a project and a process.
3. What is the internal project environment?
4. Mention any two advantages of the Agile model.
5. What is technical feasibility?
6. Define LOC.
7. What is effort estimation?

Q. 2. Answer the following in short. (Any 4) (20)

1. Explain stakeholders in software projects.
2. Describe the COCOMO model.
3. What are the project scheduling fundamentals?
4. Explain network diagrams.
5. What is time-cost trade-offs?
6. Explain Software Configuration Management and version control.

Q. 3. Answer the following in detail. (Any 3) (30)

1. Explain software project management knowledge areas.
2. What is Work Breakdown Structure (WBS)?
3. Explain feasibility study and its types.
4. What are the roles and responsibilities of a software project manager?
5. Explain project success and failure factors.
