

TILAK MAHARASHTRA VIDYAPEETH, PUNE
MASTER OF SCIENCE (M.Sc) in COMPUTER APPLICATIONS
EXAMINATION : DECEMBER - 2024/JANUARY-2025
SEMESTER - II

Sub : Advanced Software Engineering (MSC204-22)

Date : 03/01/2025**Total Marks : 30****Time: 10.00 am to 11.30 pm**

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 short. (Any 4) (20)

1. Explain relationships used in UML.
2. State difference between deployment diagram and component diagram.
3. Draw a CLD for Restaurant Management System.
4. Explain SDLC with example and suitable diagram.
5. Draw a DFD for Voice recognition system using Siri.
6. What are the characteristics of software?

Q. 2. Answer the following in detail. (Any 1) (10)

1. Draw Object diagram and Class diagram for Mobile application used for social networking (Facebook), which searches specified person/ organization or group and chats as well as images.
2. Draw use case and sequence diagram for student admission process for the course of MBA in a college.
