

Anjuman Islam Janjira Degree College of Science Murud-Janjira, Raigad-402401 Affiliated to University of Mumbai As per NEP 2020	
Class: -F.Y.B.Sc.(C.S.)	Subject: - Object Oriented Programming
Semester: - II	Vertical: - Major
Exam Event:- Summer 2026 (FH)	Marks: - 30
Date: - 11/03/2026	Duration: - 01:00 Hour

- N.B. –**
- 1 – All questions are compulsory.
 - 2 – All questions have internal choice.
 - 3 – Figures to the right indicate full marks.



Q1. Answer the following question. (Any 2 out of 4)

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- 1) Discuss the advantages of Object-Oriented Programming.
- 2) Write types of Object-oriented languages
- 3) What is meant by constant integer?
- 4) What is UML in C++?

Q2. Answer the following question. (Any 2 out of 4)

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1. Define Polymorphism and Binding. Explain Static Binding with Function Overloading.
2. What is Constructor Overloading and Function Overloading.
3. Explain how Object-Oriented Programming (OOP) is applied to a Library Management System with class relationships.
4. Discuss modelling relationships and the concept of Generalization in class diagrams.

Q3. Answer the following question. (Any 2 out of 4)

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- 1) Describe the concept of class diagram in C++
- 2) Write down types of integer constant.
- 3) Describe the two types of inheritance.
- 4) What is function overloading and overloading unary?