

RAN-2411001002022001

F.Y.B.Sc. (Computer Science) (NCF-NEP (Sem. II) Examination April - 2026
Major-2-CS-204 - Object Oriented Programming Using C++

Time: 1 Hour]
[Total Marks: 25
સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book.

Seat No.:

--	--	--	--	--	--

Student's Signature

Q. 1 Answer the following questions. (Any Five) (05)

- What do you mean by cascading of I/O operator?
- List out the operators which cannot be overloaded.
- What do you mean by inline function? Give example.
- Define hybrid inheritance. Give example.
- What is the purpose of operator function in operator overloading?
- Which of the following is not the member of a class?
 - Static function
 - Friend function
 - Const function
 - inline function
- By default, members of the class are _____ in nature.
 - protected
 - private
 - public
 - static

Q. 2 Answer the following questions.

- (a) What is object? Explain array of object with proper example. (04)

OR

- (a) What is friend function? Explain friend function with suitable example. (04)

- (b) What do you mean by inheritance? Explain multilevel inheritance with example. (04)

OR

- (b) Explain order of constructor call in multiple inheritance with example. (04)

Q. 3 Answer the following questions.

- (a) What is polymorphism? Explain runtime polymorphism with example. (04)

OR

- (a) What do you mean by diamond problem? How can we solve it? Give example. (04)

(b) What are the different ways to open a file? Discuss various file opening mode. (04)

OR

(b) Discuss different functions for manipulation of file pointer. (04)

Q. 4 Answer the following questions.

(a) Write a note on default arguments. Give proper example. (04)

OR

(a) Define constructor. Differentiate default and parameterized constructor with example. (04)
