

BACHELOR OF COMPUTER APPLICATIONS (BCA)

(Revised Syllabus)

BCA(Revised Syllabus)/ASSIGN/SEMESTER-III

ASSIGNMENTS

(July-2025 & January-2026 sessions)

MCS-021,MCS-023,MCS-014,BCS-031,BCSL-032,BCSL-033,BCSL-034



**SCHOOL OF COMPUTER AND INFORMATION SCIENCES
INDIRA GANDHI NATIONAL OPEN UNIVERSITY
MAIDAN GARHI, NEW DELHI – 110 068**

CONTENTS

Course Code	Assignment No.	Submission-Schedule		Page No.
		For July-December Session	For January-June Session	
MCS-021	BCA(III)/021/Assignment/25-26	31 st October, 2025	30 th April,2026	3
MCS-023	BCA(III)/023/Assignment/25-26	31 st October, 2025	30 th April,2026	5
MCS-014	BCA(III)/014/Assignment/25-26	31 st October, 2025	30 th April,2026	7
BCS-031	BCA(III)/031/Assignment/25-26	31 st October, 2025	30 th April,2026	8
BCSL-032	BCA(III)/L-032/Assignment/25-26	31 st October, 2025	30 th April,2026	9
BCSL-033	BCA(III)/L-033/Assignment/25-26	31 st October, 2025	30 th April,2026	10
BCSL-034	BCA(III)/L-034/Assignment/25-26	31 st October, 2025	30 th April,2026	11

Important Notes

1. Submit your assignments to the Coordinator of your Study Centre on or before the due date.
2. Assignment submission before due dates is compulsory to become eligible for appearing in corresponding Term End Examinations. For further details, please refer to BCA Programme Guide.
3. To become eligible for appearing the Term End Practical Examination for the lab courses, it is essential to fulfill the minimum attendance requirements as well as submission of assignments (on or before the due date). For further details, please refer to the BCA Programme Guide.

Course Code	:	BCS-031
Course Title	:	Programming in C++Assignment
Number	:	BCA(III)031/Assignment/2025-26
Maximum Marks	:	100
Weightage	:	25%
Last Date of Submission	:	31stOctober,2025(for July session) 30thApril,2026(for January session)

This assignment has three questions carrying a total of 80 marks. Answer all the questions. Rest 20 marks are for viva-voce. You may use illustrations and diagrams to enhance explanations. Please go through the guidelines regarding assignments given in the Programme Guide for the format of presentation. Wherever required, you may write C++ program and take its output as part of solution

- Q1.** What is a Virtual Destructor? What are its advantages? Explain with examples. **(30 Marks)**
- Q2.** What do you mean by Exception Handling? What are its advantages and disadvantages? **(30 Marks)**
- Q3.** What is a Virtual Base Class? When should it be used? Explain with an example. **(20 Marks)**