

BACHELOR OF COMPUTER APPLICATIONS (BCAOL)

(Revised Syllabus)

BCA(Revised Syllabus)/ASSIGN/SEMESTER-IV

ASSIGNMENTS

(July – 2025 & January – 2026 sessions)

**(BCS-040, MCS-024, BCS-041, BCS-042,
MCSL-016, BCSL-043, BCSL-044, BCSL-045)**



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

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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 : **MCS-024**
Course Title : **Object Oriented Technologies and Java Programming**
Assignment Number : **BCA (IV)/024/Assignment/2025-26**
Maximum Marks : **100%**
Last Date of Submission : **31st October, 2025 (For July session)**
30th April, 2026 (For January session)

There are Three questions in this assignment which carry 80 marks, in total. Rest 20 marks are for viva-voce. Answer all the questions. Give appropriate comments in programs to increase understandability. Wherever required, you may write java program, run it on machine and take its output as part of solution. Please go through the guidelines regarding assignments given in the Programme Guide for the format of presentation.

- Q1.** Give an example of a Project that is suitable for development in Java Programming Language rather than any other Object Oriented Programming Language. Justify your answer point wise in detail. **(30 marks)**
- Q2.** Give an example of a Project that is not suitable for development in Java Programming Language. Justify your answer point wise in detail. **(30 marks)**
- Q3.** Compare Procedural Programming paradigm with Object Oriented Programming paradigm with an example. **(20 marks)**