BACHELOR OF COMPUTER APPLICATIONS (BCAOL)

(Revised Syllabus)

ASSIGNMENTS

(July – 2025 & January – 2026 sessions)

(BCS-040, MCS-024, BCS-041, BCS-042,

MCSL-016, BCSL-043, BCSL-044, BCSL-045)

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SCHOOL OF COMPUTER AND INFORMATION SCIENCES
INDIRA GANDHI NATIONAL OPEN UNIVERSITY
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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	:	**BCSL-043**
Title	:	**Java Programming Lab**
Assignment Number	:	**BCA(IV)/L-043/Assignment/2025-26**
Maximum Marks	:	**50**
Last date of Submission	:	**31ˢᵗ October, 2025 (For July Session)**
		30ᵗʰ April, 2026 (For January Session)

This assignment has two questions. Answer all the questions. These questions carry 40 marks. Rest 10 marks are for viva voce. You are advised to give proper comments and do proper alignments while writing program. Please go through the guidelines regarding the assignments given in the programme guide for the format of presentation.

Q1(a).
Write java program to find the multiplication of two matrices. Define appropriate class, constructor and methods in your program. Make necessary assumptions. **(10 Marks)**

Q1(b).
Write a Java program that takes the marks of 20 Students in the "Java Programming" course as input and displays the highest and lowest marks scored by the students. Make provisions for exception handling in the situation when the marks entered are either a negative value or more than 100. **(10 Marks)**

Q2(a).
Write a Java program that creates the threads T1 and T2. Thread T1 displays the table of 8 and thread T2 displays the table of 7. Assign priorities 3 and 5 to these threads, respectively. **(10 Marks)**

Q(b).
Create an applet that takes a number between 1 and 50 as input and displays whether the number is prime or not. Use appropriate components, layout and formatting in your program. **(10 Marks)**