

# **BACHELOR OF COMPUTER APPLICATIONS (BCA\_NEW/BCAOL)**

**ASSIGNMENTS OF BCA\_NEW/BCAOL  
PROGRAMME SEMESTER-V**

**(July 2026 & January 2027 Session)**

**BCS-151, BCS-042, BCSL-159, BCOS-184, MSEI-023, BECS-184**



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

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### Important Notes

1. BCA\_NEW Student need to submit the assignments to the Coordinator of your Study Centre on or before the due date.
2. BCAOL Student need to submit the assignments on LMS Portal on or before the due date.
3. Assignment submission before due dates is compulsory to become eligible for appearing in corresponding Term End Examinations. For further details, please refer to Programme Guide.
4. 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 Programme Guide.
5. The viva voce is compulsory for the assignments. For any course, if a student submitted the assignment and not attended the viva-voce, then the assignment is treated as not successfully completed and would be marked as ZERO.

**Course Code** : **MSEI-023**  
**Course Title** : **Cyber Security**  
**Assignment Number** : **BCA\_NEW/BCAOL(V)023/Assign/2026-27**  
**Maximum Marks** : **20**  
**Last Date of Submission** : **31<sup>st</sup> October, 2026 (For July 2026 Session)**  
**(For latest updates, refer SED Notification**  
**On IGNOU's website)**

**There are two questions in this assignment. Answer all the questions. You may use illustrations and diagrams to enhance your explanations.**

- Q1:** All the security measures that the organization adopts go in vain when employees get “social engineered” by strangers. Do you agree with this statement and also suggest the measures. **(10 Marks)**
- Q2:** The Internet is not just a vast array of computers connected to each other. There are a host of networking devices like the router, which control the data traffic between and within networks. Explain Internet routing in detail? **(10 Marks)**