ADVANCED CERTIFICATE IN INFORMATION SECURITY

(ACISE)

ACISE/ASSIGN/2021

ASSIGNMENTS
JAN 2021

SCHOOL OF VOCATIONAL EDUCATION AND TRAINING
INDIRA GANDHI NATIONAL OPEN UNIVERSITY
MAIDAN GARHI, NEW DELHI – 110 068

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Guidelines regarding submission of assignments

1. It is compulsory for the students to submit the prescribed assignments. They will not be allowed to appear for the term-end examination of a course if they do not submit the assignments in time for that course.

2. The assignment responses should be complete in all respects. Before submission, the students should ensure that they have answered all the questions in all assignments. Incomplete answer sheets bring poor grades.

3. The University/ Programme Co-ordinator has the right to reject the assignments received after the due date. Therefore, the students are advised to submit their assignments before the due date.

4. Students should submit before the last dates prescribed for submission of assignments.

5. In case the students have already done some assignments prescribed in a course, they are required to do the **left-over assignments before taking the Term-end Examination**. If they have qualified in a course on the basis of lesser number of assignments and Term-end Examination, they will **not be eligible to re-do the assignments** with a view to improve the overall qualifying score of that course.

6. In case any student fails to submit the assignments or fails to score minimum qualifying marks, s/he has to wait for fresh assignments meant for the current batch of students.

7. For their own record, students should retain a copy of all the assignment responses, which they submit.

8. Once the students get the pass marks in an assignment, they can not re-submit it for improvement of marks. If the student secured requisite marks in Term-End Examination and Assignments, but did not get requisite overall percentage, then the student can either resubmit the assignment or reappear for the term-end examination for securing the requisite overall percentage.

9. Assignments are not subject to re-evaluation.

Instructions for Doing Assignments

While answering Assignments, the following guidelines are required to be observed:

1. The student should write their Complete correct Enrolment Number, Name, Full Address, Signature and Date on the top right hand corner of the first page of the response sheet.

2. The students should write the Programme Title, Course Code and Course Title on the left hand corner of the first page of their response sheet. Course code may be reproduced from the assignment.

The top of the first page of your response sheet for each assignment should look like this:

PROGRAMME TITLE:	ENROLMENT No.: ……………….
COURSE CODE:	NAME : …………………………
COURSE TITLE:	
ADDRESS:………………………………………………………………………………...	
SIGNATURE: ……………………	
DATE: …………………………..	

3.   The students should write the responses in their own hand. **They should not print or type the answers. They should not reproduce their answers from the units sent to them by the University. If they reproduce from units, they will get poor marks for the respective question**.

4.   The students should write each assignment separately. All the assignments should not be written in continuity.

5.   The students should write the question number with each answer.

6.   The students should use only foolscap size paper for their response and tie all the pages carefully. Avoid using very thin paper. They should allow a 4 cm. margin on the left and at least 4 lines in between each answer. This may facilitate the evaluator to write useful comments on the margins at appropriate places.

7.   The students should not copy from the response sheets of other students. If copying is noticed, the assignments of such students will be rejected, and disciplinary action can be taken against the students as per rules of the University.

8.   <mark>**Please remember that it is compulsory to send the scanned copies of handwritten assignments through email to the email address <u>urshlakant@ignou.ac.in</u> of Programme Coordinator, ACISE before you can take the Term End Exams or else you will not be issued hall tickets.**</mark>

Under no circumstances should they be sent to the (SED) for evaluation.

Course Code	:	**OSEI-041**
Course Title	:	**Information Security**
Maximum Marks	:	**20**
Last Date of Submission	:	**As per 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 explanation.

Question 1: Vulnerabilities are the flaws in computer software that create weaknesses in the overall security of the computer or network and allow an attacker to reduce a system's information assurance. Could you identify these vulnerabilities.

(10 Marks)

Question 2: What are the precautions one should take for making the use of Internet safer and secure? Elaborate on the implications of user habits.

(10 Marks)

Course Code	:	**OSEI-042**
Course Title	:	**Securing Internet Access**
Maximum Marks	:	**20**
Last date of Submission	:	**As per 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.

Question 1: What is the need of web services. Explain the SOAP and REST style web services. **(10 Marks)**

Question 2: The image of a cyber criminal usually portrayed by the media is of a highly skilled geek. Do you agree on this? Explain.

(10 Marks)

Course Code	:	**OSE-043**
Course Title	:	**Information Technology Security**
Maximum Marks	:	**30**
Last Date of Submission	:	**As per SED Notification on IGNOU's website**

There are three questions in this Assignment. Answer all the questions. You may use illustrations and diagrams to enhance explanation.

Question 1: Cyber crimes are one of the evil effects of proliferation of computers and Internet. Do you agree and explain the different kinds of cyber crimes.

(10 Marks)

Question 2: Risk management depends on: risk assessment, risk treatment, risk acceptance, risk communication, risk monitoring and risk review. Risk assessment in turn depends upon risk analysis and risk evaluation. Risk analysis depends upon risk estimation. Finally, risk evaluation depends upon risk estimation and Risk criteria. Explain this interdependency in detail.

(10 Marks)

Question 3: Explain the importance of W3C Certification.

(10 Marks)

Course Code	**:**	**OSEI-044**
Course Title	**:**	**Server Security**
Maximum Marks	**:**	**20**
Last Date of Submission	**:**	**As per 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 explanation.

Question 1:   Explain Mail servers and what are its uses and advantages?

(10 Marks)

Question 2:   What is attack vector? How to block attack vector? Explain the types of attack victor.

(10 Marks)