

# **ADVANCED CERTIFICATE IN INFORMATION SECURITY**

**(ACISE)**

ACISE/ASSIGN/2017

**ASSIGNMENTS  
JANUARY 2017**



**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/Study Centre 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 enclose a self-addressed stamped assignment remittance-cum-acknowledgement card (**Form No. 1**) with each assignment response to ensure the delivery of assignments 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 to the Study centre.
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 except for factual errors, if any. The discrepancy noticed by the students in the evaluated assignments should be brought to the notice of the Study centre/Programme Co-ordinator.

### **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:

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

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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. Please remember that it is compulsory to submit your assignments before you can take the Term End Exams or else you will not be issued hall tickets. Also remember to keep a copy of your assignments with you and do take a receipt from your Study Center when you submit the assignments. In the event that you do not have a study center in your city/region, please forward it to the following address:

**Programme Coordinator, ACISE**  
**School of Vocational Education and Training**  
**Block-15E, New Building**  
**Indira Gandhi National Open University**  
**Maidan Garhi New Delhi- 110068**

**Under no circumstances should they be sent to the (SED) for evaluation.** After submitting the assignment at the School in person, the students should get the acknowledgement from the Programme Co-ordinator on the prescribed assignment-cum-acknowledgement card (**Form No. 1**) otherwise, the assignment should be sent under certificate of posting through post.

**FORM NO. 1**

<p>Enrol. No. _____          Programme Title: _____</p> <p>Name : _____</p> <p>Course Code: _____ Medium: _____</p> <p>Signature of the Student          Date : _____</p> <table border="1" style="width: 100%; margin-top: 10px;"> <tr> <th style="text-align: center;">For Office Use Only</th> </tr> <tr> <td>S.No. _____</td> </tr> <tr> <td>Date of Receipt: _____</td> </tr> <tr> <td>Name of Evaluator: _____</td> </tr> <tr> <td> </td> </tr> <tr> <td>Date of despatch to the Evaluator: _____</td> </tr> <tr> <td>Date of receipt from the Evaluator: _____</td> </tr> </table>	For Office Use Only	S.No. _____	Date of Receipt: _____	Name of Evaluator: _____		Date of despatch to the Evaluator: _____	Date of receipt from the Evaluator: _____	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;"> <b>INDIRA GANDHI NATIONAL OPEN UNIVERSITY</b>  <b>ASSIGNMENTS REMITTANCE -CUM-ACKNOWLEDGEMENT CARD</b> </th> </tr> <tr> <td style="width: 50%;">Enrol. No. _____</td> <td style="width: 50%;">Programme Title: _____</td> </tr> <tr> <td>Name : _____</td> <td>Medium : _____</td> </tr> <tr> <td>Course Code: _____</td> <td> </td> </tr> <tr> <td style="vertical-align: top;">                 Signature of the Student                   Name : _____                  Address of the Student : _____                  Date : _____                  (Please write your complete address and affix adequate postal stamp on reverse)             </td> <td style="vertical-align: top; border: 1px solid black; padding: 5px;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: center;">For Office Use Only</th> </tr> <tr> <td>S.No. _____</td> </tr> <tr> <td>Signature of the receiver _____</td> </tr> <tr> <td>Date : _____</td> </tr> </table> <p style="text-align: right; margin-top: 10px;">Seal</p> </td> </tr> </table>	<b>INDIRA GANDHI NATIONAL OPEN UNIVERSITY</b> <b>ASSIGNMENTS REMITTANCE -CUM-ACKNOWLEDGEMENT CARD</b>		Enrol. No. _____	Programme Title: _____	Name : _____	Medium : _____	Course Code: _____		Signature of the Student  Name : _____ Address of the Student : _____ Date : _____ (Please write your complete address and affix adequate postal stamp on reverse)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: center;">For Office Use Only</th> </tr> <tr> <td>S.No. _____</td> </tr> <tr> <td>Signature of the receiver _____</td> </tr> <tr> <td>Date : _____</td> </tr> </table> <p style="text-align: right; margin-top: 10px;">Seal</p>	For Office Use Only	S.No. _____	Signature of the receiver _____	Date : _____
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Signature of the receiver _____																						
Date : _____																						

Affix Stamp Here
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To

(ADDRESS OF THE STUDENT)

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**Course Code** : **OSEI-041**  
**Course Title** : **Information Security**  
**Maximum Marks** : **20**  
**Last Date of Submission** : **30<sup>th</sup> March, 2017**

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

**Question 1:** When we talk about the information security, we should always remember that precaution is the best countermeasure, however there are few countermeasures which should be followed by every computer user in order secure themselves from the professional crackers while using computers and internet. Explain these countermeasures.  
**(10 Marks)**

**Question 2:** Malware has reached to its exceptional heights, and there is no end in prospect to its continued propagation. What you think and suggest the IT professionals to be aware of the risks associated with malware and the potential effects they pose.  
**(10 Marks)**

**Course Code** : **OSEI-042**  
**Course Title** : **Securing Internet Access**  
**Maximum Marks** : **20**  
**Last date of Submission** : **30<sup>th</sup> March, 2017**

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

**Question 1:** Explain the use of cookies and its types.

**(10 Marks)**

**Question 2:** What are the classification of cybercrimes? Explain in detail.

**(10 Marks)**

**Course Code** : **OSE-043**  
**Course Title** : **Information Technology Security**  
**Maximum Marks** : **30**  
**Last Date of Submission** : **30<sup>th</sup> March, 2017**

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

**Question 1:** Explain the need and importance of Information Technology Amendment Act, 2008.  
**(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:** The certification process has three layers: (i) sufficiency and correctness, (ii) certification methodology and (iii) certification framework. Explain the Certification methodology in detail.  
**(10 Marks)**



**Course Code** : **OSEI-044**  
**Course Title** : **Server Security**  
**Maximum Marks** : **20**  
**Last Date of Submission** : **30<sup>th</sup> March, 2017**

**There are three 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:** Write full form of the following-

- a) MIME
- b) SPF
- c) SMTP
- d) BHO
- e) VFS

**(5 Marks)**

**Question 3:** What can you do to protect yourself from spoofing theft  
**(5 Marks)**