

PG DIPLOMA IN INFORMATION SECURITY (PGDIS)

PGDIS/ASSIGN/2025

ASSIGNMENTS

JULY 2025

**(MSEI-021, MSEI-022, MSEI-023 and MSEI-024 courses of Ist Semester are
applicable for Fresh Students of July, 2025)**

**(MSEI-025, MSEI-026 and MSEI-027 courses of IInd Semester are applicable for
IInd Semester Re-registered students of July, 2025)**

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

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Course Code : **MSEI-021**
Course Title : **Introduction to Information Security**
Maximum Marks : **20**
Last date of Submission : **31th October, 2025**
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.

Question 1: What is malware and malicious code. Explain in detail.

(10 Marks)

Question 2: Information security awareness must be made an integral part of any security plan or program. Employees at all levels must be made understand that they have to play a large part in protecting the agency's information assets. Do you agree? Explain in detail.

(10 Marks)

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Course Code : **MSEI-022**
Course Title : **Network Security**
Maximum Marks : **20**
Last date of Submission : **31th October, 2025**
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.

Question 1: Describe the concept of asymmetric cryptography. How asymmetric encryption works? Also explain its types.

(10 Marks)

Question 2: Security protocols are critical applications, since they are crucial to achieve trusted computing. Do you agree? Explain in detail.

(10 Marks)

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Course Code : **MSEI-023**
Course Title : **Cyber Security**
Maximum Marks : **20**
Last date of Submission : **31th October, 2025**
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.

Question 1: What is reverse engineering and explain the stages involved in this process. **(10 Marks)**

Question 2: Many a times databases features failure and are not easily recoverable whereas some of the databases are capable of fault tolerance. Transaction processing is one of the really critically handled concepts. Explain in detail. **(10 Marks)**

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Course Code : **MSE-024**
Course Title : **Policy, Standards and Laws**
Maximum Marks : **30**
Last date of Submission : **31th October, 2025**
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There are three questions in this assignment. Answer all the questions. You may use illustrations and diagrams to enhance your explanations.

Question 1: Explain Uniform Domain-Name Dispute-Resolution Policy (UDRP).
(10 Marks)

Question 2: Do you think that the cyberspace and IPR are interlinked with each other. If yes, in what manner? If no, then how these are independent?
(10 Marks)

Question 3: Algorithms, by themselves, are not usually patentable. Is this true? Explain in detail.
(10 Marks)