

**POST GRADUATE DIPLOMA IN INFORMATION SECURITY (PGDIS)  
Term-End Practical Examination**

**June, 2014**

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**MSEI-022 (P) : NETWORK SECURITY**

*Time : 3 hours*

*Maximum Marks : 100*

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**Note :** (i) Attempt any **two** questions out of three. Each question carries 40 marks.  
(ii) Viva-voce carries 20 marks.

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1. Write a program to accept a string S and an integer x from the user.

Apply the following algorithm on the string :

*Encryption :* For each ch in S

$$ch = ch + x$$

*Decryption :* Reverse of Encryption function

Use any programming language (Preferably C/Java).

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2. Analyse the systems in the lab where you are writing this exam. Prepare a guideline for Network Security to be submitted to the Network Administrator.

Give reason for every guideline suggested by you.

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3. Open three http URLs.

→ Try to open various parts and list the messages that appear.

→ Repeat this activity for 4 – 5 parts. Prepare a report for three URLs on the basis of above experiment.

→ Are they secure ?

→ Are they following the guidelines related to Network Security ?

→ What would you do to increase the level of security for these URLs ?

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