

**POST GRADUATE DIPLOMA IN
INFORMATION SECURITY (PGDIS)**

Term-End Practical Examination

December, 2017

MSEI-022 (P) : NETWORK SECURITY

Time : 3 hours

Maximum Marks : 100

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

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1. Take a random IP address that is valid. Perform port scanning. List the open ports. Try to open new service / server / application to open the new port and again do the port scanning where the port must be opened. 40
 2. Calculate the MD5 hash value for any file or folder and copy the file or folder to some other location on the network and then recalculate the MD5 and compare whether the value of MD5 is same or different. By using the steganography tool, try to hide and reveal the file from the image. 40
 3. Write a program for mono alphabetic cipher in C programming. 40