

# **MSEI-022 (P) (Set-1)**

P.G. DIPLOMA IN INFORMATION SECURITY (PGDIS)

Network Security

Duration : 3 hour

Maximum Marks : 100

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Note : 1. Attempt any two questions out of three questions.

2. Each question carries 40 marks.

3. Viva-voce carries 20 marks.

1. 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
2. Generate digital signature using MAC code. 40
3. 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

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