

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

Term-End Practical Examination

December, 2017

**MSEI-021 (P) : INTRODUCTION TO
INFORMATION SECURITY**

Time : 3 hours

Maximum Marks : 100

Note : (i) *Attempt 2 out of 3 questions. Each carries 40 marks.*

(ii) *Viva-voce carries 20 marks.*

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1. **Apply Information Gathering Tools to recover the details for any Domain Name which includes the following features : 40**
Domain Name, IP address (IPV4/IPV6), Geographical Location, Contact details of the site registrar, Site Administrator, Hosting server details, Domain Expiry details, Domain A record, MX records, Port scan details & Hosted IP Reputation etc. Finally generate the report.
 2. **Identify Network details as given below : 40**
 - (a) **List the real time IP address and their MAC address connected to the host.**
 - (b) **List all IP address alive in the Network and displays the services/ports running on each IP.**
 - (c) **Trace number of hops appears in between source and destination.**
 - (d) **List the Ports running on the system along with their services running on the system.**

3. Apply OS Hardening techniques on the system as mentioned below : 40
- (a) How to shutdown the system by using Command line ?
 - (b) How to change the Registry Entries by using Command Prompt ?
 - (c) How to clean & customize the running applications from startup list ?
 - (d) How to block user to install the software in OS ?
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