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Term End Examination - December, 2016

Diploma in Cyber Security

DCS-04: SECURITY MANAGEMENT (2015 Syllabus)

Time - 3 hours

Full Mark - 100

Answer any four questions from Group - 'A', any two questions from Group - 'B' and any three questions from Group - 'C'

Group 'A'

Marks: $5 \times 4 = 20$

(Answer any four questions each within 100 words)

Q.No.1.

- a) List any four Internet Browsers used by computers and mobile devices.
- b) What are the vulnerabilities or security holes that are commonly exploited in Internet Browsers?
- c) Write short notes on One-Time-Password.
- d) What do you mean by hacking? How can it be ethical?
- e) How can you protect your Mobile from virus and other malware?
- f) What do you mean by security audit?

Group 'B'

Marks: $10 \times 2 = 20$

(Answer any two questions each within 250 words)

Q.No.2

- a) How your browser can be set to secure your data and other browsing activity?
- b) What are the precautions you should take to prevent your Email from hacking?
- c) Among the laptop and smart phone, which is more vulnerable in terms of security? Justify your answer.
- d) Explain the most common strategies to provide physical protection of data in your computer.
- e) State and explain about SQL Injection attacks.

Group 'C'

Mark: $20 \times 3 = 60$

(Answer any three questions each within 500 words)

Q.No.3. Briefly discusses the Cyber Law (Information Technology Act. 2000).

4. What do you mean by hacking? What are different types of hackers? Discuss.
5. Explain different safety and security measures to protect your mobile from security threats.
6. What are different types of security breaches in Internet Browsers and explain the means to protect them from security threats.
7. Explain the ISO 27001 standard maintained for cyber security at international level.
8. What do you mean by email security? What are different security threats on e-mail? How can you make your e-mail secured?