

Information Technology

Duration : 2 Hours

Max. Marks : 80

Instructions:

1. Figures to the right indicate maximum marks
2. Start each new question on a fresh page

Q1. Write a short note on (any 4)

(4x4 =16 MKS)

- a. E-mail Protocols
- b. World Wide Web
- c. Any three threats presented by downloadable apps
- d. Cyber warfare and the infrastructure targeted in such attacks
- e. Intellectual Property Rights and its classification
- f. Software Patents

Q2. Write a short note on (any 4)

(4x4=16 MKS)

- a. Precautions to be taken to protect yourself from a Phishing attack
- b. Pharming
- c. Provisions in the IT Act related to E-governance
- d. Significance of CERT-IN
- e. Risks involved in evidence collection during forensics
- f. Data recovery procedure

Q3. Answer the following questions (any 2)

(6x2=12 MKS)

- a. What is an IP Address? Who is responsible for assigning IP addresses? Differentiate between static and dynamic IP addresses.
- b. Explain the term 'Malware'. Discuss any 4 malware threats that can affect your computer system.
- c. What is meant by the term 'social networking'? Explain the various ways you can protect yourself on social networking sites.

Q4. Answer the following questions (any 2)

(6x2=12 MKS)

- a. What is a Privacy Policy? What details does it provide to the user? Specify the important sections in Google's privacy policy.
- b. What are the safety measures you will follow when you choose a password? Suggest some methods to give a unique password which you will remember.
- c. What is a cyber crime? Explain the impact of cyber crimes. Explain the procedure to report cyber crimes.

Q5. Answer the following questions (any 2)

(6x2=12MKS)

- a. Explain 'Computer related' and 'Computer assisted' crimes with examples
- b. When is an offence considered as a bailable offence? Explain any 6 bailable offences covered under the IT Act.
- c. What is a cyber offence? Explain some of the important cyber offences along with the relevant sections covered in the IT Act.

Q6. Answer the following questions (any 2)

(6x2=12MKS)

- a. How are cyber offences classified? Explain each of the groups with examples.
- b. Explain the various steps involved in the Collection stage of the Forensic procedure.
- c. Why is media sanitization carried out? Explain the different techniques of media sanitization used.