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. World wide web and its components
   b. IP address and its need
   c. Threats presented by downloadable apps
   d. Insider threats with an example
   e. Online Privacy and its importance
   f. Intellectual Property rights and its classification

Q2. Write a short note on   (any 4)   (4x4=16 MKS)
   a. Common techniques used by Phisher's
   b. Identity theft
   c. Types of Offences committed against Individuals and Individual's property
   d. Role and Powers of CERT-IN
   e. Common users of Computer Forensics
   f. Electronic Evidence and its characteristics

Q3. Answer the following questions (any 2)   (6x2=12 MKS)
   a. Explain the following concepts related to WWW (i) Hyperlinks (ii) Web page (iii) Web Browser
   b. Define the term 'Malware'. Explain any 3 types of malwares that can affect our system.
   c. What is Social networking? How can you protect yourself on social networking sites? Explain.

Q4. Answer the following questions   (any 2)   (6x2=12 MKS)
   a. What are the safety measures you will follow when you choose a Password? Suggest some method to give a unique password which you will remember.
   b. What is a privacy policy? Why is it needed? Specify the important sections in Privacy policies of Google and Facebook.
   c. Explain 'Computer based' and 'Computer assisted' crimes with examples.

Q5. Answer the following questions   (any 2)   (6x2=12MKS)
   a. What is meant by the term Social Engineering? Explain the different forms of 'e-mail from a friend' type of social engineering attacks.
   b. What is a cyber offence? Explain some of the important cyber offences along with the relevant sections covered in the IT Act.
   c. When is an offence considered as a bailable offence? Explain any 6 bailable offences covered under the IT Act.

Q6. Answer the following questions   (any 2)   (6x2=12MKS)
   a. Explain the various stages involved in Forensic procedure
   b. Explain the process of data recovery. Give a brief list of data that can be recovered during forensic investigation
   c. What is meant by the term 'Media Sanitization'. Explain the technique of sanitization used for following categories of information:
      (i) Public (ii) Proprietary (iii) Confidential (iv) Highly confidential