INFORMATION TECHNOLOGY

Duration: 2 hours   **Marks: 80**

Instructions: 1.All questions are compulsory. 2. Draw diagrams wherever necessary.

Q.1 Write short notes on **any four** of the following :   (4x4=16)
   A. Trojan Horse   D. Cyber War
   B. Software patent   E. DDoS attack
   C. Privacy policy

Q.2 Answer **any four** of the following :   (4x4=16)
   A. Differentiate between LAN and WAN.
   B. What are the deficiencies of IT Law?
   C. Give the full forms of the following:
      i. IANA ii. IPR   iii. POP   iv. CERT
   D. State any 8 safety measures on social networking sites.
   E. Write a note on Ethics and safe practices in Computing.

Q.3 A. What is a Reconnaisance attack?   (6)
   B. Write a note on Online Privacy and Privacy Laws.   (6)
                                 OR

Q.3 X. What are the disadvantages of LANs?   (6)
   Y. Write a short note on cloning of devices.   (6)

Q.4 A. What do you mean by zero – day attack?   (6)
   B. What is ID Theft? Give one example.   (6)
                                 OR
Q.4 X. What are the ways to choose a good password?   (6)
   Y. What is media sanitization? Explain with techniques.   (6)

Q.5 A. Convert the following IP addresses into Binary form and identify their class,
      network address and host address.
         i.121.134.45.55
         ii.197.123.110.45   (6)
   B. Describe the BYOD threat.   (6)
                                 OR
Q.5 X. Convert the following IP addresses into Decimal form and identify their class,
      network address and host address.
         i.00111001.10011001.11001011.10011101
         ii.11001010.10010001.11101101.11000101   (6)
   Y. Briefly describe Adware, Spyware and Ransomware.   (6)

Q.6A. What are the three main steps in Forensic investigation?   (6)
   B. State and describe Computer related offences.   (6)
                                 OR
Q.6 X. What are the cyber crimes against society at large?   (6)
   Y. Explain the section 65 and section 66 of the IT Act 2000.   (6)

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