(2 ½ Hours)   **[Total marks: 60**

N. B.: (1) **All questions** are **compulsory**
        (2) **Figures** to the **right** indicate **full marks**.
        (3) **Assume additional data if necessary** but state the same clearly.
        (4) **Symbols have their usual meanings** unless stated otherwise.
        (5) **Use of calculators** and **statistical tables** is **allowed**.

Q.1 Attempt **any two** of the following   **(12)**

a) What is the role of computer in digital crime? Explain.   **6**
b) Write a note on computer forensic specialist. What are his   **6**
        responsibilities?
c) What are logs? Highlight on evidence collection through gathering logs. **6**
d) What is IDS? What are its benefits? Explain.   **6**

Q.2 Attempt **any two** of the following   **(12)**

a) What is Data Recovery? What are the obstacles in Data Recovery?   **6**
b) Write a note on controlling contamination of evidences.   **6**
c) What is digital ID? Explain how are they used?   **6**
d) What time is important in computer forensic analysis? Explain.   **6**

Q.3 Attempt **any two** of the following   **(12)**

a) List and describe traffic acquisition and analysis software.   **6**
b) Briefly outline the concept of protocol decoding and packet analysis.   **6**
c) Explain in brief about Statistical Flow Analysis.   **6**
d) List and explain about WAP evidences.   **6**

Q.4 Attempt **any two** of the following   **(12)**

a) Briefly describe about Mobile phone evidences.   **6**
b) Highlight the use of Use of proxies in investigation.   **6**
c) What are the sources of Logs? Explain   **6**
d) Discuss about SMS Security.   **6**

Q.5 Attempt **any two** of the following   **(12)**

a) Write a note on Storage Area Network Security.   **6**
b) Write a note on hiding and recovering hidden data.   **6**
c) What are the Common Attacks on Wireless networks? List and explain.   **6**
d) Explain the role of firewalls in forensic analysis.   **6**

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