

**Time: 3 hours**

**Marks: 80**

**N.B.: 1) Question No.1 is compulsory.**

**2) Attempt any THREE questions out of remaining FIVE questions.**

**3) Figures to the right indicates full marks.**

**4) Assume suitable data if necessary.**

- |            |   |           |
|------------|---|-----------|
| <b>Q1</b>  | <b>Attempt Any 4</b>  | <b>20</b> |
| a          | Explain about digital evidence.   |           |
| b          | Explain different password cracking techniques.   |           |
| c          | What are different Security Risks for Organizations?  |           |
| d          | What is Cybercrime? Who are Cybercriminal? Explain.   |           |
| e          | Explain about Credit card frauds in Mobile and Wireless Computing era.  |           |
| <b>Q.2</b> |   |           |
| a          | If a hacker creates a website similar to university website to cheat student. Identify attack and explain different types it. How to prevent from such attack.                | <b>10</b> |
| b          | Discuss steps involved in planning of cyberattacks by criminal.   | <b>10</b> |
| <b>Q.3</b> |   |           |
| a          | Explain different types of Cybercrimes and how security will provide?   | <b>10</b> |
| b          | Explain why do we need cyber laws? Discuss about the challenges to Indian cyber laws  | <b>10</b> |
| <b>Q.4</b> |   |           |
| a          | Explain Steps for SQL Injection attack. How to prevent SQL Injection attacks?   | <b>10</b> |
|            | If an attacker creates heavy traffic on the college website so that it becomes inaccessible to the legitimate user. Which is this attack. Explain in details with it's types. | <b>10</b> |
| b          |   |           |
| <b>Q.5</b> |   |           |
| a          | What are illegal activities observed in Cyber Cafes? What are safety and security measures while using the computer in Cyber Café?  | <b>10</b> |
| b          | What are basic security precautions to be taken to safeguard Laptops and Wireless devices? Explain?   | <b>10</b> |
| <b>Q.6</b> | <b>Write short notes on any FOUR</b>  | <b>20</b> |
| a          | Salami attack   |           |
| b          | HIPAA   |           |
| c          | Mobile/Cell Phone attacks   |           |
| d          | Cyberstalking and harassment  |           |
| e          | SOX   |           |
| f          | Buffer overflow attack  |           |