

16/12/2024 IT SEM-VI C SCHEME EHF (DLOC) QP CODE: 10064964

**TIME : 3 HOURS**

**MARKS : 80**

N.B.: (1) Question No.1 is compulsory  
(2) Attempt any three questions from remaining five questions.

- Q.1 a) Explain cybercrime and its types. **05**  
b) Differentiate White, Black and Grey Hat Hackers. **05**  
c) Discuss Digital Evidence and its types. **05**  
d) What is malware? Explain in brief concept of Virus. **05**
- Q.2 a) What are the primary goals of ethical hacking and what are its phases? **10**  
b) Explain goals and guidelines for one Incident Report Writing. **10**
- Q.3 a) Elaborate about Mobile Device Forensics **10**  
b) Explain the forensic duplication and investigation process in detail. **10**
- Q.4 a) What is Intrusion Detection systems? Explain the detailed types of IDS. **10**  
b) Describe tasks in investigating e-mail crimes and violations. **10**
- Q.5 a) Explain the attacks on Network and Prevention. **10**  
b) What is computer forensics? Why computer forensics is important? **10**
- Q.6 Write Short note on (Any Four) **20**  
a) Firewall with Neat diagram  
b) Chain of custody  
c) roles of CSIRT in incident handling  
d) Challenges in network forensics  
e) Cyber Forensic tools
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