

Paper Id: 

910188
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Roll No: 

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**B.TECH.**  
**(SEM-VII) THEORY EXAMINATION 2019-20**  
**ETHICAL HACKING AND PREVENTION**

**Time: 3 Hours****Total Marks: 100****Note:** Attempt all Sections. If require any missing data; then choose suitably.**SECTION – A**

1. You are required to answer **all** the parts of this question. (2×10=20 marks)
- (a) What is ethical hacking?
  - (b) What is eavesdropping?
  - (c) Differentiate between virus and worms.
  - (d) What is social engineering?
  - (e) Define firewall.
  - (f) Differentiate between IDS and IPS
  - (g) What is system call?
  - (h) Explain VoIP.
  - (i) What is honeypot?
  - (j) What is session hijacking?

**SECTION – B**

2. Attempt any **three** parts of the following: (10×3=30 marks)
- (a) What is steganography? Explain in detail.
  - (b) Define Intruder. What is IDS? Explain its types in brief.
  - (c) How devices are targeted using Bluetooth hacking? Explain any two software
  - (d) Explain physical security in detail.
  - (e) Write short note on:
    - i) Backdoors.
    - ii) Foot printing

**SECTION – C**

3. Attempt any **one** part of the following: (10×1=10 marks)
- (a) Describe the merits and de merits of ethical hacking.
  - (b) Explain windows hacking in detail.
4. Attempt any **one** part of the following: (10×1=10 marks)
- (a) What is DoS attack? Explain in detail with example.
  - (b) Explain different types of attacks on network.
5. Attempt any **one** part of the following: (10×1=10 marks)
- (a) What is reverse engineering? Why is it required?
  - (b) Explain SQL injection in detail.
6. Attempt any **one** part of the following: (10×1=10 marks)
- (a) What are the responsibilities of an ethical hacker?
  - (b) Explain any two ethical hacking tools in brief.
7. Attempt any **one** part of the following: (10×1=10 marks)
- (a) Explain some Linux Exploits in detail.
  - (b) Discuss penetration testing with proper example.