

GUJARAT TECHNOLOGICAL UNIVERSITY
ME - SEMESTER– II • EXAMINATION – SUMMER 2017

Subject Code:2725601**Date:25/05/2017****Subject Name: Ethical Hacking****Time:02:30 PM to 05:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) What are the goals of a Hacker? Which areas of a system are exploited by Hacking tools? **07**
- (b) Explain different types of password attack methods. How can you protect your system from such attacks? **07**
- Q.2** (a) What is the need of Physical Security? Suggest the steps that ethical hacker must take to enhance physical security of an organization. **07**
- (b) Explain NMAP Scan Types. Why just single scan is not enough to gather information? **07**
- OR**
- (b) Explain footprinting? Explain any one tool used to perform it. **07**
- Q.3** (a) Explain the importance of penetration test for an ethical hacker. How to do planning regarding the penetration test? **07**
- (b) What is SQL injection? How to perform SQL injection attack? **07**
- OR**
- Q.3** (a) Describe the working of DDoS attack. Also mention its countermeasures. **07**
- (b) Explain ARP Poisoning in detail. **07**
- Q.4** (a) Explain Cross Site Scripting (XSS) vulnerability in detail. **07**
- (b) Explain the Wireless hacking techniques with its countermeasures. **07**
- OR**
- Q.4** (a) How can you use Metasploit to launch exploits? **07**
- (b) Explain the concept of Intrusion Detection System with its types. **07**
- Q.5** (a) Give the perspective of Indian IT Act 2000 on various cyber-crimes. **07**
- (b) Explain the role of any two malwares used for hacking a system? **07**
- OR**
- Q.5** (a) What are cyber laws? Why existing legal system aren't enough to thwart cyber-crimes? Explain the same in detail with example. **07**
- (b) What are the recent trends in malwares that are used to make them more sophisticated? **07**
