example.

b. Explain in detail about Chapter 10 clauses.

Enrolment No.

[7]

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## GUJARAT TECHNOLOGICAL UNIVERSITY

**ME - SEMESTER II (NEW) - • EXAMINATION - SUMMER 2016** Subject Code: 3725106 Date: 02/06/2016 Subject Name: Ethical Hacking & Cyber Laws Time: 10:30 am to 01:00 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 is netcat? Explain some of its uses in penetration testing and hacking. [7] b. What is trace-route? Discuss the internal working of trace-route command utility. What are the various practical uses of trace-route? [7] 0.2 a. What do you mean by DNZ Zone? What are the various types of DNS zones? How DNS Zones are relevant in VA/PT? [7] b. What do you mean by automated vulnerability assessment tool? Explain its general working in detail with one example. [7] OR b. Explain in detail with one example about Black-box, White-box and Grey-box testing. [7] 0.3 a. What do you mean by NMAP? How we can detect the finger print of OS? [7] b. What is digital signature? How is it helpful for authentication of any electronic record? Under which IT Act it is defined as crime and what are the punishment provisions? [7] OR Q.3 a. What is client side attack? Explain in detail with an example. [7] b. What is Cyber law? Explain in detail about jurisprudence of Indian Cyber Law. [7] Q.4 a. What is Kickstart file? How is it useful to an attacker? Explain in detail. [7] Which Chapter deals with "offences"? Discuss any two Sections with explanation. [7] b. OR Q.4 What is an exploit? Explain in detail about any exploit. a. [7] What is the initial phase of hacking? Explain how will it be useful to a person? [7] b. Q.5 How do you discover Host is alive or not explain with an example? [7 Marks] a. Which section offers "life time jail" punishment & for which kind of activities? b. [7] OR Q.5 a. What is the difference between a display filter and capture filter in wireshark? Discuss with one