

**SARDAR PATEL UNIVERSITY**  
**BBA (ISM) (3 Years) Semester - 3**  
**Syllabus with Effect from: 2019-20**  
**UM03DBBS23 : Ethical Hacking**

**Total:-100 Marks**

**Credit:-3**

| <b>Unit</b> | <b>Description in Detail</b>  | <b>Weightage (%)</b> |
|-------------|---|----------------------|
| I           | <b>Security Concepts:</b><br>What is Security? – Importance of Security – Essential Terminologies – Elements of Security – What does a Malicious Hacker do? – Hacker Classes - Cryptography                       | 25%                  |
| II          | <b>Cyber Attacks:</b><br>DoS Attack – Goal of DoS – Types of DoS Attacks – Botnets: Use and Types – DDoS Attack – Session Hijacking – Spoofing vs Hijacking – TCP/IP Hijacking – IP Spoofing – Other Cyber Crimes | 25%                  |
| III         | <b>Casing the Establishment:</b><br>Footprinting: What is Footprinting?, Internet Footprinting – Scanning: Services, System, Fingerprinting – Enumeration: Banner Grabbing, Common Network Services               | 25%                  |
| IV          | <b>Hacking Windows:</b><br>Unauthenticated Attacks – Authenticated Attacks – Windows Security Features – Wireless Hacking   | 25%                  |

**Basic Text & Reference Books:-**

Hacking Exposed – sixth edition: By Stuart McClure, Joel Scambray, McGrawhill Publication  
Certified Ethical Hacker Guide: By Kimberly Graves, Sybex Publication