

[6/A3]

**SARDAR PATEL UNIVERSITY**

T.Y. B.B.A. - ITM (HONOURS) SEMESTER - VI EXAMINATION

Wednesday, 28<sup>th</sup> March, 2018

10:00 A.M. TO 12:00 P.M.

**UM06CBB101: INFORMATION SECURITY****Note: Figures to the right indicate Marks.****Maximum Marks: 60**

- Q-1 (A) What is Information Security? Discuss the Core Principles of Information Security and Security Administration in detail. [10]
- (B) Explain Hard Disk and Optical Disk Concept. [05]
- OR**
- Q-1 (A) Define System Life Cycle. Discuss Security Development Life Cycle in brief. [10]
- (B) Discuss any two Security Modes of Operation. [05]
- Q-2 (A) Define the term Access Control. Why control Access requires? Explain its Reasons and Types of Access Control in brief. [12]
- (B) Explain Component to Audit concept in Auditing. [03]
- OR**
- Q-2 (A) Define the term Authentication. Discuss Username Password Authentication and Biometric Authentication concept in brief. [12]
- (B) What is Auditing? Discuss the Characteristic of Auditing. [03]
- Q-3 (A) What is Attack? Discuss Denial of Services (DOS) in brief. [10]
- (B) Discuss Worms and Viruses in detail [05]
- OR**
- Q-3 (A) Write a note on: E-mail Security. [10]
- (B) Define Spoofing. Discuss IP and URL Spoofing. [05]
- Q-4 (A) Discuss the following with its Benefits or Vulnerabilities. [12]  
1). Co-axial Cable    2). Router    3). Firewall
- (B) Explain Fiber Optic cable with its Benefits or Vulnerabilities. [03]
- OR**
- Q-4 (A) Discuss Intrusion Detection with Network, Host and Application based characteristics. [12]
- (B) Explain Hard Drive with its Benefits or Vulnerabilities. [03]