



AJEENKYA

D Y PATIL UNIVERSITY

End Term Examinations (December 2018)

School: School of Information Technology

Program: BCA (CTIS & MACT)

Course: Information Security Fundamentals

Course Code: CSC205

Semester: III

Max Marks: 30

Duration (mins): 60

Note- 1. Figures to the right indicates full marks.

2. Attempt any three questions.

Q1)

- a) Explain risk controls. (5)
- b) Define the term 'malicious software'. Also write its different types. (5)

Q2)

- a) Explain Authentication and its types. (2)
- b) Explain Intrusion Detection System & its types in detail. (8)

Q3)

- a) What is Human based & Computer based Social Engineering? (2)
- b) List the security professionals in any organization. (2)
- c) Describe a real-time virus or worm which had caused huge loss to an Organization. (6)

Q4)

- a) Explain following terms
 - i. Spoofing
 - ii. Sniffing
 - iii. Bruteforce
 - iv. Botnets
 - v. Phishing (5)
- b) Explain Risk Management. (5)

Q5)

- a) Name and explain the attack where the Bob is trying to send many request to the server from many controlled systems so that server should not be able to respond to the requests of Authorized users. (2)
- b) Explain the functions of Information Security. (8)