



AJEENKYA

D Y PATIL UNIVERSITY

End Term Examination (December 2019)

School: School of Engineering

Program: BCA

Course: Information Security Fundamentals

Course Code: CSC205

Semester: III

Max Marks: 30

Duration (mins): 60 Min

Note- 1. Figures to the right indicates full marks
2. Attempt any three questions.

- Q1)** a) Define Information Security. Explain CIA. (5)
b) Differentiate between human-based methods and computer-based techniques of social engineering. (5)
- Q2)** a) Define risk score and how is it calculated. (2)
b) Describe Risk Identification and Risk Assessment phase (8)
- Q3)** a) Illustrate methods a social engineering hacker use to gain information about a user's login id and password. (2)
b) Define authentication and authorization. (2)
c) Explain firewall and its types. (6)
- Q4)** a) Explain the need for balancing information security and access and how it can be achieved. (5)
b) Differentiate between a denial-of-service attack and a distributed-denial-of-service attack. Which is more dangerous? Why. (5)

Q5) a) A staff member subscribes to a number of free online IT magazines. Among the questions she was asked in order to activate her subscriptions, one magazine asked for her month of birth, a second asked for her year of birth, and a third asked for her mother's maiden name.

What do you think might be going on here? (2)

b) Define IDS and IPS. Explain the types of IDS along with its advantages. (8)

*******ALL THE BEST*******