



# AJEENKYA

## D Y PATIL UNIVERSITY

### End Term Examination (December 2019)

School: School of Engineering

Program: BCA CTIS + MACT

Course: Computer Network

Course Code: CSC203

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) Explain all cellular technologies. (5)
- b) What is Network? Explain types of network architecture with proper diagram. (5)
- Q2) a) Why do you need virtual private network? (2)
- b) What is wireless network? List difference between various wireless standards. Also explain all wireless protocols. (8)
- Q3) a) What is Secure socket layer? (2)
- b) How many layers does TCP/IP model have? List them. (2)
- c) Explain IPv6 protocol with proper diagram. (6)
- Q4) a) What is switching? Explain types of switching. (5)
- b) Write short note on following network utilities.
- i. ping
  - ii. traceroute
  - iii. ipconfig
  - iv. nslookup
  - v. nbtstat

Q5) a) How can you secure a computer network? (2)

b) Consider the following scenario.

When sender A wants to send the email to the receiver B then elaborate the process of sending email using the OSI model with proper diagram? (8)

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