# K L UNIVERSITY, VADDESWARAM
# DEPARTMENT OF ELECTRONICS AND COMPUTER SCIENCE ENGINEERING

## ASSIGNMENT TEST

| Subject & Code : Wireless Communication & Networks | Class & Specialization : I M.Tech., (ECM) Semester : I |
|---|---|
| Date of Exam : | Max .Marks :20 |
| Academic Year : 2017-18 | Time Duration : 60 mnts |

## I.    Answer TWO Questions from the following

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**1.** Write a short notes on
   **a)** Broandband
   **b)** Chanel Capacity
   **c)** Attennation

**2)**
   **a)** A 1mW power is transmitted through 3 cascaded amplifier each separated by 2 km through cable. The transimitter and receivers are also 2 km apart from amplifier. Find the power just before first amplifier, the power just before receiver.

   **b)** a microwave system requires 8 dBm audio power across a 600 load. Find the voltage level at the load.

   **c)** Find the loss for the 6 Ghz frequency signal at 50km away from transmiter assuming free space loss

**3)** Explain how synchronous time division multiplexing (TDM) works?

**4)** What is the relation ship between a signal's spectrum and its bandwidth?

**5)** Explain about ATM with neat siagram

**6)** Explain difference between Datagram and Virtual circuit operation