**PIONEER INTERNATIONAL UNIVERSITY**

**Powered by Intellect, Driven by Values.**

## SUPPLIMENTARY EXAMINATION

## SECOND YEAR SECOND SEMESTER

## EXAMINATIONSFOR THE DEGREE BACHELOR OF

## SCIENCE IN INFORMATION TECHNOLOGY

**COURSE CODE:**
**COURSE TITLE:**     DATA COMMUNICATIONS AND
NETWORKS

**INSTRUCTIONS TO CANDIDATES**

Question ONE (1) is
compulsory Answer
THREE (3) questions

## QUESTION ONE (30mks)

a) Define the following terms (5mks)

   i.   Data

   ii.   Transmission media

   iii.   Analog transmission

   iv.   Digital transmission

   v.   Cable shielding

b) With the aid of relevant diagrams using the bit stream provided, describe

    the following:0 0 1 1 0 1 0 0 0 1 0

   i.   Amplitude modulation (AM)(3mks)