

**NATIONAL OPEN UNIVERSITY OF NIGERIA,**

**PLOT 91, CADASTRAL ZONE, UNIVERSITY VILLAGE, JABI – ABUJA**

**FACULTY OF SCIENCES**

**JULY 2017 EXAMINATIONS**

**COURSE CODE: DAM361**

**COURSE CREDIT: 2**

**COURSE TITLE: BUSINESS COMMUNICATION AND NETWORKS**

**TIME ALLOWED: 2 1 /2 Hours**

**INSTRUCTION:** Answer Question **One (1)** and any other **three (3)** questions.

**QUESTIONS**

1i. Define telecommunication **4marks**

1ii. State the basic elements of a telecommunication system. **6marks**

1iii. Explain the term ‘Networking’ **5marks**

1iv. List and describe five components of a network system. **10marks**

2i. Network can be classified according to the size or area to be configured. Discuss. **9marks**

2ii. In Media Access Control, there are three (3) ways of controlling access to a media, enumerate **6marks**

3i. Identify the different cabling systems used in communication network **3marks**

3ii. Explain in detail the term protocol and describe three (3) protocols **12marks**

4i. Mention four (4) Advantages of layered protocol specification **6marks**

4ii. With the aid of a simple diagram, briefly explain the following types of topologies;

* 1. Star Topology
  2. Bus Topology
  3. Ring Topology ) **9marks**

5i. What does the acronym OSI means **1mark**

5ii. List the seven (7) layers of OSI in direct order **8marks**

5iii. Write short note on the following;

* + Physical layer
  + Application layer
  + Transport layer **6marks**

6i. What is switching technique **2marks**  
6ii. Write short notes on switching technique **12marks**

6iii. State two (2) uses of the internet **1mark**