



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
JANUARY/FEBRUARY 2013 EXAMINATION

Total mark is 70 and each question carries 14 marks

CIT 305 – Networking and Communication Technology (3 Credits)

Answer 5 Questions in 3.00 Hours.

QUESTION 1

1a. How would you explain the meaning of Networking to a layman?
(4 marks)

1b. List and explain three uses of Networking (6 marks)

1c. List four types of Networks based on their physical scope
(4 marks)

2a. How would you explain Wireless Technology to a layman? (3 marks)

2b. List and explain any three (3) examples of Wireless Technology
(6 marks)

2c. Give the full meaning of the following acronyms:

- (i) PDAs
- (ii) GPS
- (iii) LMR
- (iv) GMRS
- (v) FDDI
- (vi) ATM
- (vii) CSMA
- (viii) WAN
- (ix) MAN
- (x) WWW

($\frac{1}{2}$ mark each)

3a. What do you understand by the term “Wi-Fi” (3 marks)

3b. Define Network Protocol? List any three types of Network protocols
(7 marks)

3c. Mention two advantages of Wi-Fi phones (4 marks)

4a. What is DSL? (2 marks)

4b. List any three (3) benefits of DSL (6 marks)

4c. List three (3) features of DSL (6 marks)

5a. What do you understand by Enterprise Network? (2 marks)

5b. Discuss the differences between the LAN and the WAN classes
(6 marks)

5c. List any three (3) phases involved in creating an enterprise network (6 marks)

6a. Write briefly on the following

- (i) SONET
 - (ii) Modulation
- (3 marks each)

6b. Describe Packet switching (4 marks)

6c. List any two methods of Packet switching (4 marks)

7a. What do you understand by Videoconferencing? (4 marks)

7b. List three (3) uses of videoconferencing (6 marks)

7b. What are the differences between the digital and the analog signals (4 marks)