



**NATIONAL OPEN UNIVERSITY OF NIGERIA,
PLOT 91, CADASTRAL ZONE, UNIVERSITY VILLAGE, JABI – ABUJA
FACULTY OF SCIENCES
DEPARTMENT OF COMPUTER SCIENCE
2022_2 EXAMINATION**

**COURSE CODE: CIT722
COURSE CREDIT: 3
COURSE TITLE: COMPUTER NETWORKS
TIME ALLOWED: 3 HOURS**

**INSTRUCTIONS: ANSWER QUESTION (1) AND ANY OTHER THREE (3)
QUESTIONS**

- 1a. Enumerate any four types of most common network topologies (2marks)
- 1b. Discuss Network Interface Cards (8marks)
- 1c. Write a short note on repeaters, bridges, and routers (15marks)

- 2a. Discuss Ethernet Cards (7marks)
- 2b. Discuss Network Interface Cards (8marks)

- 3a. State two advantages each of any given three (3) common network topologies (7marks)
- 3b. Write a short note on the network operating system (8marks)

- 4a. Enumerate and write a short note on the three factors that influenced choosing the right topology (7marks)
- 4b. Write a short note on the network operating system (8marks)

- 5a. Write briefly on the 5-4-3-rule in setting up a tree topology using Ethernet protocol. (4mks)
- 5b. Differentiate between the two major types of network operating systems
 - i. Peer-to-Peer (5marks)
 - ii. Client Server (6marks)

- 6a. Write a short note on address resolution protocols (7marks)
- 6b. State and write a short note on two advantages and disadvantages of a peer-to-peer network (8marks)