

NATIONAL OPEN UNIVERSITY OF NIGERIA,

**University Village, Plot 91, Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi, Abuja**

**FACULTY OF SCIENCES**

JULY 2017 EXAMINATION

Course code: CIT465

Course Title: Network Administration

Time: 2 Hours

Instruction: Answer any Four (4) questions.

1a. Write short note on “Ping and traceroute”.  *[7****1/2***  *marks]*

1b. Simply differentiates between the goals of the” fault management” and” security management” conceptual areas of ISO Network Management Model. *[10 marks]*

2a. What is meant by Network Address Translation and its main purpose? *[7****1/2*** *marks]*

2b What are the three (3) essential requirements that the TCP/IP protocol must support. *[10 marks]*

3a. Differentiate between the Star and Mesh types of Topology. *[7****1/2***  *marks]*

3b. Differentiate between the two (2) main Categories of Networks / Network Technologies. *[10 marks]*

4a. Write short note on Class “**C**” legacy networks. *[7****1/2*** *marks]*

4b. State with at list two examples each the threats that can compromise the system. *[10 marks]*

5a. Write short note on Class “**B**” legacy networks. *[7****1/2*** *marks]*

5b. Discuss network simulator and give three examples. *[10 marks]*

6a. Discuss System configuration policy. *[7****1/2*** *marks]*

6b. Discuss any five (5) challenges of system administration? *[10 marks]*