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**NATIONAL OPEN UNIVERSITY OF NIGERIA**

**14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS**

**MARCH/APRIL 2016 EXAMINATION**

 **SCHOOL OF SCIENCE AND TECHNOLOGY**

**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 differentiate between the goals of ” fault management” and “security management” within the 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. *[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]*