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".   *[7¹/₂ 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?   *[7¹/₂ 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.   *[7¹/₂ marks]*
3b.   Differentiate between the two (2) main Categories of Networks / Network Technologies.
         [10 marks]

4a.   Write short note on Class "**C**" legacy networks.   *[7¹/₂ 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.   *[7¹/₂ marks]*
5b.   Discuss network simulator and give three examples. *[10 marks]*

6a.   Discuss System configuration policy.   *[7¹/₂ marks]*
6b.   Discuss any five (5) challenges of system administration?   *[10 marks]*