NATIONAL OPEN UNIVERSITY OF NIGERIA
University Village, 91 Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
FACULTY OF SCIENCE
APRIL, 2019 EXAMINATIONS

COURSE CODE: CIT465
COURSE TITLE: Network Administration
CREDIT: 2 Units
TIME ALLOWED: 2 Hours
INSTRUCTION: Answer Question 1 and any other THREE (3) Questions

1a) What is the first principle of server security *(2½ marks)*
b) Enumerate the class of people targeted in protecting the Network resources from in a Network security system? *(5 marks)*
c) Outline the various ways by which standards can be assured. *(3 marks)*
d) List the resources being protected by a network security system? *(2 marks)*
e) State five types of issues a system administrator covers. *(2½ marks)*
f) In order to measure the performance of a running system, the status of some resources are checked. State the resources. *(5 marks)*
g) Highlight five (5) challenges of system administration? *(5 marks)*

2a) What do you understand by *resource map* of a site? *(2 marks)*
b) What are the three methods of shutting down a UNIX computer system *(4½ marks)*
c) State what to look for when performing a local network analysis at:

     i) the network level *(3½ marks)*
     ii) the host levels *(5 marks)*

3a) Explain the meta principles of system administration *(7½ marks)*
b) Describe the main components in a human–computer system and give three examples of network hardware *(4½ marks)*
c) What are the issues at the network physical connection level that are determined by the physical layer. *(3 marks)*

4a) Discuss change management. *(5 marks)*
b) In a tabular form, Compare IPV4 and IPV6. *(10 marks)*

5a) In a tabular form, compare packet switching and circuit switching? *(9 marks)*
b) Explain the term "IP Address" and state its format. *(6 marks)*