

**NATIONAL OPEN UNIVERSITY OF NIGERIA**

**University Village, 91 Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja**

**FACULTY OF SCIENCE**

**DEPARTMENT OF COMPUTER SCIENCE**

**CIT465: Network Administration Credit Units: 2**

**Instruction**: *Answer Question (1) (25marks) and any other three questions each carrying 15 marks* **Time:** *2 hours*

1a) What is a resource map? ***(2 marks)***

b) Enumerate what we need to look for when performing a local network analysis at:

i) the network level***(3 marks)***

ii) the host levels***(5 marks)***

c) In a tabular form, Compare IPV4 and IPV6. ***(10 marks)***

d) Enumerate the class of people we are trying to protect the Network resources from in a Network security system? ***(5 marks)***

2a) In a Network security system, what resources are we trying to protect? ***(6 marks)***

b) Discuss extensively the concept; Password sniffing ***(9 marks)***

3a) Name and explain the two technologies that allow contention/competition to take place in a network ***(12 marks)***

b) State the distinct categories of web use. ***(3 marks)***

4a) Briefly discuss the concept of [the security](http://www.security) of WWW. ***(5 marks)***

b) Enumerate how an organization can protect its facilities against attacks. ***(10 marks)***

5a) Briefly explain the Principle of Contention/Competition. ***(3 marks)***

b) List the effects of compromising a network system. ***(2 marks)***

c) In order to assess the potential risks to a site, we must gain some kind of overview of how the site works. How can this be done? ***(10 marks)***