



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS**  
**SEPTEMBER/OCTOBER 2015 EXAMINATION**

**SCHOOL OF SCIENCE AND TECHNOLOGY**

**Course code: CIT465**

**Course Title: Network Administration**

**Time: 2<sup>1</sup>/<sub>2</sub> Hours**

**Instruction: Answer any Four (4) questions.**

1. Simply differentiates between the goals of the
  - a. " fault management" and [5 marks]
  - b. " security management" [5 marks]conceptual areas of ISO Network Management Model.
- 1c. Write short note on "Ping and traceroute". [7<sup>1</sup>/<sub>2</sub> marks]
- 2a. State any three (3) essential requirements that a protocol such as TCP/IP must support [4<sup>1</sup>/<sub>2</sub>marks]
- 2b. State any 6 challenges of system administration [6marks]
- 2c. write short note on any two (2) stated in question 2b [7 marks]
3. Differentiate between [7<sup>1</sup>/<sub>2</sub> marks]
  - a. Mesh and
  - b. Star types of Topology.
- 3c. Differentiate between the two (2) main Categories of Networks / Network Technologies. [10 marks]
- 4a. Write short note on Class "C" legacy networks. [7<sup>1</sup>/<sub>2</sub>marks]
- 4b. State the three threats that can compromise the system [6 marks]
- 4c. Give at least 1 example from each of the threats listed in question 4b making 4 altogether. [10 marks]
- 5a. Write short note on Class "B" legacy networks. [7<sup>1</sup>/<sub>2</sub> marks]
- 5b. Discuss network simulator [7marks]
- 5c. Give three examples of network simulator [3marks]

- 6a. State 5 organizations by which official computer-related standards were defined *[5marks]*
- 6b. Highlight any five (5) IEEE classification of software anomalies *[5marks]*
- 6c. Discuss System configuration policy. *[7½ marks]*