



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
14/16, Ahmadu Bello Way, Victoria Island

**SCHOOL OF SCIENCE AND TECHNOLOGY**  
**October, 2013 Examination**

**Course Code: CIT 461**

**Course Title: INTERNET ARCHITECTURE & COMMUNICATIONS**

**Instruction: Answer Any Five Questions**

**Time Allowed: 3 Hours**

**Course Unit: 3**

1. Outline the five different classes of IP addressing schemes 14 marks
- 2 Write short notes on any four internet networking devices. 14 marks
- 3a. Most modern graphic email clients allow the use of either plain text or HTML for the message body at the option of the user. Explain what is meant by HTML. 4 marks
- b. List three advantages and three disadvantages of HTML. 6 marks
- c. In order to ensure that HTML sent in an email is rendered properly by the recipient's client software, what additional header information must be specified when sending? 4 marks
4. Discuss, with the aid of a diagram, the different levels of ISPs and the inter relationships that exist between them. 14 marks
5. Describe the three different types of web hosting services. 14 marks
6. Propose, with seven points, a general architectural framework for the next generation of the Internet. 14 marks
- 7a. Explain what is meant by Web design. 4 marks
- b. List four software packages used for website design. 4 marks
- c. For the typical web sites, outline the basic aspects of design. 6 marks