



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Asikiwe Expressway, Jabi – Abuja
DEPARTMENT OF COMPUTER SCIENCE
FACULTY OF SCIENCES
SEPTEMBER 2020_1 EXAMINATION

COURSE CODE: CIT 753

COURSE TITLE: INTRODUCTION TO THE INTERNET

CREDIT: 3 Units

TIME ALLOWED: 3 Hours

INSTRUCTION: Answer Question ONE and Any other Four Questions

Question One

- 1a. i. Explain comprehensively Internet Protocol Addressing. [2 marks]
ii. Why is the use of *Domain Names* more advantageous than using **IP addresses**? [1 mark]
iii. Who is accredited with the ownership of the Internet? [1 mark]
- 1b. i. Write short notes on **MODulation/DEModulation**. [2 marks]
ii. State intelligently the major function of a MODEM. [1 mark]
iii. State the best solution to virus attacks and the two specific phases of a virus. [1 mark]
- 1c. i. Enumerate FOUR common guides that you can use to help compose your query. [2 marks]
ii. Explain the process for *creating a Hyperlink* using appropriate code lines where necessary. [3 marks]
- 1d. i. Give a concise definition of INTERNET using meaningful examples where necessary. [2 marks]
ii. Briefly describe the IP system, *IPv4* in widespread use today. [1 mark]
iii. What do you understand by End Users? [1 mark]
- 1e. i. Explain the two parts a Network can be divided into. [2 marks]
ii. Write short notes on the following terms.
a. Advance Network and Service Inc. [1 mark]

- b. File Transfer Protocol [**1 mark**]
- c. Transmission Control Protocol/Internet Protocol (TCP/IP) [**1 mark**]

Question Two

- 2a.
 - i. Explain briefly what you understand by SEARCH TOOLS. [**2 marks**]
 - ii. Enumerate THREE advantages of networking a group of computers. [**3 marks**]

- 2b.
 - i. In two sentences, explain briefly the History of the Internet. [**2 marks**]
 - ii. Explain in detail Network Protocol [**5 marks**]

Question Three

- 3a.
 - i. Identify THREE Hardware components of a Network. [**3 marks**]
 - ii. Explain the three parts of the special software needed to communicate with a network [**3 marks**]

- 3b.
 - i. Write short notes on the World Wide Web (WWW). [**3 marks**]
 - ii. Make a realistic examination of THREE factors contributing to the growth of the World Wide Web. [**3 marks**]

Question Four

- 4a.
 - i. Explain THREE types of Networks. [**6 marks**]
 - ii. Outline the steps needed to read Newsgroup Messages [**2 marks**]

- 4b.
 - i. What are TWO advantages of adopting TCP/IP as a networking standard? [**2 marks**]
 - ii. List one implication of removing a domain from your newsgroup. [**2 marks**]

Question Five

- 5a.
 - i. Outline the advantages of using E-mail over conventional mail. [**4 marks**]
 - ii. What is the anatomy/format of the URL giving one example? [**2 marks**]

- 5b.
 - i. Describe the factors that contributed to the general acceptability of the www. [**2 marks**]
 - ii. List and explain FOUR components of the Internet. [**4 marks**]

Question Six

- 6a.
 - i. What is the main distinguishing factor between Usenet News and E-Mail Discussion Groups [**1 marks**]
 - ii. Make a comprehensive discussion on the term URL. [**3 marks**]
- 6b.
 - i. Make a clear Description of the following terms [**3 marks**]
 - a. Message Security Protocol (MSP) [**1.5 marks**]

- b. Pretty Good Privacy (PGP) **[1.5 marks]**
- ii. What are the steps that is employed to find Newsgroups of Interests. **[2 marks]**

Question Seven

- 7a.
 - i. Differentiate between a search tool and a search method. **[2 marks]**
 - ii. Describe in detail the events that led to the development of the Internet. **[5 marks]**
- 7b.
 - i. Explain in details Web Browsers **[1 marks]** and the TWO types of browsers. **[3 marks]**
 - ii. List and explain the three parts of an email address. **[2 marks]**

Question Eight

- 8a.
 - i. Outline SIX search tools, their categories and websites. **[6 marks]**
 - ii. Describe the events that led to the development of the World Wide Web. **[3 marks]**
- 8b.
 - i. List SIX categories that a domain type falls into. **[3 marks]**
 - ii. Write short notes on the following terms **[2 marks]**
 - a. Multipurpose Internet Mail Extension (MIME)
 - b. Simple Mail Transfer Protocol (SMTP)