

CROSS RIVER UNIVERSITY OF TECHNOLOGY, CALABAR
DEPARTMENT OF COMPUTER SCIENCE
SECOND SEMESTER EXAMINATION

COURSE CODE: CSC 1203:

DATE: 2018

COURSE TITLE: INTRODUCTION TO INTERNET

TIME: 2HRS

INSTRUCTION: ANSWER ALL QUESTIONS IN SECTION A, ANSWER QUESTION ONE IN SECTION B AND TWO OTHER QUESTIONS. ALL PHONES MUST BE SWITCHED OFF

SECTION A: ALL SPELLINGS MUST BE CORRECT TO HAVE FULL MARKS

1. The internet protocol is commonly referred to as the ____ system of the internet.
2. The Arpanet switched to using TCP/IP at the beginning of what year ____
3. An international standard for packet switching used alongside TCP/IP is called ____
4. The organization under which several groups develop and manage internet standards goes by the acronym ____?
5. There are ____ possible IPv6 addresses
6. The principle that all parts of the internet are normally open to access by anyone at anytime, all things being equal is referred to as ____?
7. Multiple web pages with a common theme, domain name or both makes up ____?
8. Internet search methods are used by search tools to increase the effectiveness and efficiency of internet searches. What are the four search methods _____, _____, _____, _____?
9. Web pages can either be _____ or _____?
10. A network architecture where each node has equivalent responsibility is called ____?
11. _____ is an internet technology that was developed by a British physicist and computer scientist called _____?
12. All URIS corresponds to some IP address. True/False
13. The internet evolved from the ARPANET which was developed in the year _____?
14. Individual hosts and LANs are connected to an internet service provider (ISP) through a _____?
15. _____ converts user-friendly names such as www.google.com to a network friendly IP addresses?
16. _____ is the standard language for creating web pages.

17. _____ is a networking device that forwards data packets between computer networks?
18. The acronym FTP stands for _____
19. Individual search engines use computer programs called _____ to match key search words with the web pages that contain them.
20. _____ provides a forum for users to post and respond to messages from other users
21. A notation used for recipients of an email that are hidden from view is called _____?
22. Information resources created in way that allows for a cross referencing between related bodies of text are known collectively as _____?
23. A dial-up telephone modem can transfer data at rates up to _____?
24. A system of data transfer wherein messages are broken into parts before transmission and reconfigured on receipt is called _____?
25. _____ HTML is the subset of HTML that describes the content and structure of a document, whereas _____ HTML is the subset of HTML used to determine the appearance of the document.

SECTION B: Answer question ONE and two other questions

- 1a. Name and discuss 3 advantages of IPV6 protocol over previous IPV4 protocol
- b. List and describe the 4 components of an email
- c. Discuss the following terms as it applies to internet technology 1. Ports, 2. Packet switching, 3. Circuit switching
- d. List and discuss 5 criteria used to authenticate information found on the internet
- 2a. List and briefly describe five (5) services provided by the internet
- b. Differentiate between a broadband and bandwidth
- c. What is TELNET and what are the functions of TELNET
- 3a. Define the following terms: Router, DNS, Domain Name, IP Address
- b. List 5 browsers and the devices supported by the browsers.
- c. State and discuss 3 functions of a browser
- 4a. Differentiate between a web browser, website and a web server
- b. The internet is described as the network of networks, discuss.
- c. With the aid of a diagram describe a client/server network architecture.

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INSTRUCTION: ANSWER QUESTION ONE AND ANY OTHER THREE QUESTIONS

1. (a) Give the full meaning and differentiate the following network terms:
(i) IP and HTTP (ii) URL and Web Browser (iii) Internet and WWW (iv) Internet and Extranet (v) Uploading site and Downloading from site
(b) What do you understand by the following:
(i) Web Program (ii) Web Site (iii) Hyperlinks (iv) Firewall (v) Cookies
(c) Describe the component of three (3) examples of valid web address and two (2) email address.
(d) Mention five (5) real world examples of online services.
2. (a) What is TCP/IP? Enumerate its functions.
(b) What problem did ARPAnet solve in communication technology?
3. (a) What is ISP? Give five examples in Nigeria.
(b) Explain the three categories of internet access through an ISP.
4. (a) With the use of iPhone or Android, we can access the internet using Wi-Fi, Tethering and Mobile Hotspot. Explain.
(b) Differentiate between Mobile Networks and VPN.
5. (a) A web page can be static or dynamic. Explain.
(b) How do meta-search engines work? What are its advantages over the conventional search engines.
6. Describe five (5) components of the internet stating their uses.