**TAKORADI TECHNICAL UNIVERSITY**

**FACULTY OF APPLIED SCIENCE**

**END OF FIRST SEMESTER EXAMINATION 2017/2018**

**HND INFORMATION AND COMMUNICATION TECHNOLOGY 2 - REGULAR**

**COURSE: INFORMATION TECHNOLOGY 2 COURSE CODE: ICT 110**

MAY 2018 DURATION: 2 HOURS

**INSTRUCTION: ANSWER ALL QUESTIONS**

**SECTION A: 20 Marks**

1. The main or index page of a web site is known as?

A) Home page B) First page C) Web page D) Internet page

2. Which of the following devices is a PC component that connects the computer to the network?

A) Bridge B) NIC C) DNS Server D) Gateway

3. What is the name for the router that your PC uses to connect to your Internet Service Provider?

A) Loopback address B) Backbone C) IP address D) Default Gateway

4. Which term describes hardware or software that protects your computer or network from probing or malicious users?

A) Firewall B) Router C) Protocol D) Spyware

5. What device is used to connect two LANS using the same protocol?

A) Router B) NIC C) Bridge D) Modem

6. Which one of the following protocol is not used in internet?  
A) HTTP B) DHCP C) DNS D) None of the mentioned

7. IPv6 addressed have a size of  
A) 32 bits B) 64 bits C) 128 bits D) 265 bits  
8. Internet works on

A) Packet switching

B) Circuit switching

C) Both (a) and (b)

D) None of the mentioned

9. HTML is used to create

A) Machine language program

B) High level program

C) Web server

D) Web page

10. The computer acronym WWW stands for:

A) World Wide Wildlife

B) World Wide Web

C) World Wide Work

D) World Wide Week

11. Internet explorer falls under:

A) Operating System B) Compiler C) Browser D) IP address

12. Full form of HTML is:

A) Hyper Text Manipulating Links B) Hyper Text Manipulation Language

C) Hyper Text Managing Links D) Hyper Text Markup Language

13. A computer on the internet is identified by:

A) E-mail address

B) Street address

C) IP address

D) None of the above

14. Which of the following devices takes data sent from one network device and forwards it to all devices on the network regardless of the intended recipient?

A) DNS Server B) Hub C) Switch D) Gateway

15. Which of the following devices modulates digital signals into analog signals that can be sent over traditional telephone lines?

A) Router B) Gateway C) Switch D) Modem

16. Moving from one website to another is called?

A) Downloading B) Browsing C) Uploading D) Attachment

17. Which of the following devices assigns IP address to devices connected to a network that uses TCP/IP?

A) DHCP Server B) NIC C) Gateway D) Hub

18. Which of the following devices translates hostnames into IP addresses?

A) DHCP Server B) Hub C) DNS Server D) Firewall

19. A unique number used to identify a computer on the Internet is known as?

A) Special number B) Unique address C) Internet address D) IP Address

20. Which data communication method is used to transmit the data over a serial communication link?

A) Simplex B) Half-duplex C) Full duplex D) All of above

**SECTION B: 40 Marks**

**INSTRUCTION: ANSWER ALL QUESTIONS**

1. a) What is the difference between a client- server network and peer to peer network?

4 marks

b) As a network administrator for a company tasked with setting up a network, write down 3 reasons that would make you choose a wireless network over the wired or vice versa.

6 marks

2. a) When interconnecting computers to share resources, there are different components that can be used to set up the network. Briefly describe three components that can be used to set up a network. 6 marks

b) Explain the four layers of the TCP/IP model. 9 marks

3. a) Differentiate between base band and broadband transmission technology. 4 marks

b) Discuss three types of network topology in computer network. 9marks c) List 2 devices used in the WAN technology. 2 mark