**TAKORADI TECHNICAL UNIVERSITY**

**FACULTY OF APPLIED SCIENCE**

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

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

COURSE: INFORMATION TECHNOLOGY 2 COURSE CODE: ICT 110

MAY 2018 DURATION: 2 HOURS

**INSTRUCTION: ANSWER ALL QUESTIONS**

SECTION A: 20 Marks

1. What is the full form of WWW in web address?

A) World Wide Web

B) World Wide Word

C) World Wide Wood

D) None of these

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

A) Router

B) NIC

C) Bridge

D) Modem

3. Switch is a Device of \_\_\_\_\_\_\_\_\_ Layer of OSI Model.

A) Network Layer

B) Data Link Layer

C) Application Layer

D) Session Layer

4. Star Topology is Based On a Central Device known as \_\_\_\_\_\_\_\_\_\_ ?

A) HUB

B) Switch

C) Only A

D) Both A and B

5. Computer that requests the resources or data from other computer is called as \_\_\_\_\_\_\_\_ computer.

A) Terminal B) Server C) Workstation D) Client

6. 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

7. Moving from one website to another is called?

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

8. 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

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

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

10. 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

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

12. IPv6 addressed have a size of  
A) 32 bits B) 64 bits C) 128 bits D) 265 bits

13. Internet works on

A) Packet switching

B) Circuit switching

C) Both (a) and (b)

D) None of the mentioned

14. HTML is used to create

A) Machine language program

B) High level program

C) Web server

D) Web page

15. Internet explorer falls under:

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

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

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

17. 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

18. 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

19. 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

20. A computer on the internet is identified by:

A) E-mail address B) Street address C) IP address D) None of the above

**SECTION B: 40 Marks**

**INSTRUCTION: ANSWER ALL QUESTIONS**

1. a) Differentiate between guided transmission media and unguided transmission media. Give two examples each. 4 marks

b) When interconnecting computers to share resources, there are two different network architectures that can be applied. Briefly describe them. 4 marks

c) Write down 2 benefits of computer network 2 marks

2. a) List 5 devices used in the WAN technology 5 marks

b) Give 3 examples of internet services available when connected to a network. 3 marks

c) Differentiate between a browser and a search engine. 2 marks

d) List 3 internet terminologies and explain each. 5 marks

3. a) Explain the following:

LAN

TCP

URL 6 marks

b) Describe the directions of transmission flow used to transmit data over a communication link. 9 marks