LINCOLN UNIVERSITY COLLEGE

Texas College of Mgmt & IT

Mitrapark, Chabahil, Ktm

Department of BIT & BCS

Midterm Test-2074

Student Name:………………………………….

Roll No:……………………………………..

Program: BIT *SECTION'A'*	**FM : 100**
Subject: IFA	**PM : 50**
Level: BIT 1st Semester (1ST Batch) SET 'A'	**Time: 3 hrs.**

Attempt All Questions   (Group A)

MCQ (1x30=30)

1. What is internet?
   a) a single network
   b) a vast collection of different networks
   c) interconnection of local area networks
   d) none of the mentioned

2. Hub is required in the following topology
   a) Star
   b) Mesh
   c) Bus
   d) Ring

3. A piece of icon or image on a web page associated with another webpage is called
   a) url
   b) hyperlink
   c) plugin
   d) none of the mentioned

4. What is a web browser?
   a) a program that can display a web page
   b) a program used to view html documents
   c) it enables user to access the resources of internet
   d) all of the mentioned

5. The network layer concerns with
   a) bits
   b) frames
   c) packets
   d) none of the mentioned

6. The data link layer concerns with
   a) bits
   b) frames
   c) packets
   d) none of the mentioned

7. The physical layer concerns with
   a) bit-by-bit delivery
   p) process to process delivery
   c) application to application delivery
   d) none of the mentioned

8. URL stands for
   a) unique reference label
   b) uniform reference label
   c) uniform resource locator
   d) unique resource locator

9. A web cookie is a small piece of data
   a) sent from a website and stored in user's web browser while a user is browsing a website
   b) sent from user and stored in the server while a user is browsing a website
   c) sent from root server to all servers
   d) none of the mentioned

10. The first Network
    a) CNNET
    b) NSFNET
    c) ASAPNET
    d) ARPANET

11. Communication between a computer and a keyboard involves _____ transmission
    a) Automatic
    b) Half-duplex
    c) Full-duplex
    d) Simplex

12. Which layer provides the services to user?
    a) application layer
    b) session layer
    c) presentation layer
    d) none of the mentioned

13. The _____ is the physical path over which a message travels
    a) Path
    b) Medium
    c) Protocol
    d) Route

14. A set of rules that governs data communication
    a) Protocols
    b) Standards
    c) RFCs
    d) None of the mentioned

15. Three or more devices share a link in _____ connection
    a) Unipoint
    b) Multipoint
    c) Point to point
    d) None of the mentioned

16. Who is making web standard
    a. Mozilla

b. Microsoft
c. The World Wide Web Consortium
d. Google

17. Which of the following is correct HTML element for smallest heading?
    a. <h6>
    b. <heading>
    c. <head>
    d. <h1>

18. Which of the following html element is used to break current line?
    a. <hr>
    b. <break>
    c.
    d. <b>

19. What is the correct HTML for adding background color?
    a. <body background-color= "red">
    b. <body color= "red">
    c. <body bgcolor= "red">
    d. All of above

20. Which of the following tag is used to write important text?
    a. <i>
    b. <strong>
    c. <b>
    d. <important>

21. What is the correct HTML for creating a hyperlink?
    a. <a url="http://www.facebook.com">
    b. <a rel="http://www.facebook.com">
    c. <a href="http://www.facebook.com">
    d. None of above

22. Which of the following tag is used to indicate html end tag?
    a. *
    b. \
    c. <
    d. /

23. Which of the following elements are table elements?
    a. <table>, <tr>, <td>, <dd>

b. <table>, <caption>, <tr>, <th>, <td>
c. <table>, <p>, <span>, <strong>
d. None of above

24. Nested table indicate of
    a. all html elements
    b. table inside a table cell
    c. paragraph and images
    d. None of above

25. Inline elements are generally started without starting new line.
    a. Above statement is true.
    b. Above statement is false.

26. Which of the following html indicates numbered list?
    a. <list>
    b.
    c. <dl>
    d.

27. Which HTML attribute specifies an alternate text for an image, if the image cannot be displayed?
    a. longdesc
    b. alt
    c. src
    d. title

28. Which of the following tag is used to mark a beginning of paragraph?
    a. <article>
    b. <p1>
    c. <paragraph>
    d. <p>

29. Markup tag tell the web browser
    a. How to organize the page
    b. How to display the page
    c. How to display message box on page
    d. None of above

30. WWW is based on which model?
    a. Local-Server
    b. Client Server
    c. 3-Tire
    d. None of above

THE END

Attempt All Questions   (Group A)
MCQ (1x30=30)

1. Communication channel is shared by all the machines on the network in
   a) broadcast network
   b) unicast network
   c) multicast network
   d) none of the mentioned

2. A _____ is a device that forwards packets between networks by processing the routing information included in the packet.
   a) bridge
   b) firewall
   c) router
   d) all of the mentioned

3. Which one of the following extends a private network across public networks?
   a) local area network
   b) virtual private network
   c) enterprise private network
   d) storage area network

4. The OSI model has _____ layers.
   a) 4
   b) 5
   c) 6
   d) 7

5. Home Access is provided by
   a) DSL
   b) FTTP
   c) Cable
   d) All of the mentioned

6. In OSI model, when data is sent from device A to device B, the 5th layer to receive data at B is
   a) Application layer
   b) Transport layer
   c) Link layer
   d) Session layer

7. The data link layer takes the packets from _____ and encapsulates them into frames for transmission.
   a) network layer
   b) physical layer
   c) transport layer
   d) application layer

8. Which one of the following task is not done by data link layer?
   a) framing
   b) error control
   c) flow control
   d) channel coding

9. Transport layer aggregates data from different applications into a single stream before passing it to
   a) network layer
   b) data link layer
   c) application layer
   d) physical layer

10. Which transmission media has the highest transmission speed in a network?
    a) coaxial cable
    b) twisted pair cable
    c) optical fiber
    d) electrical cable

11. Wireless transmission can be done via
    a) radio waves
    b) microwaves
    c) infrared
    d) all of the mentioned

12. Physical or logical arrangement of network is
    a) Topology
    b) Routing
    c) Networking
    d) None of the mentioned

13. Data communication system spanning states, countries, or the whole world is
    a) LAN
    b) WAN
    c) MAN
    d) None of the mentioned

14. Expand WAN
    a) World area network
    b) Wide area network

c) Web area network

d) None of the mentioned

15. Internet works on

a) packet switching

b) circuit switching

c) both (a) and (b)

d) none of the mentioned

16. Correct HTML to left align the content inside a table cell is

   a. <tdleft>

   b. <td align= "left">

   c. <td ralign= "left">

   d. <td leftalign>

17. The latest HTML standard is

   a. XML

   b. SGML

   c. HTML 4.0

   d. HTML 5.0

18. Main container for <TR>, <TD> and <TH> is

   a. <table>

   b. <group>

   c. <data>

   d. All of above

19. The body tag usually used after

   a. <html>

   b. <title>

   c. <head>

   d. <header>

20. What is the correct html for inserting an image?

   a. <img alt="MyImage">image.gif</img>

   b. <img src="image.gif" alt="MyImage">

   c. <image src="image.gif" alt="MyImage">

   d. <img href="image.gif" alt="MyImage">

21. Which of the following is correct html comment

   a. <!--- This is comment   ->

   b. <!-- This is comment   -->

   c. <! This is comment >

   d. None of above

22. From which tag descriptive list starts?

   a. <ll>

   b. <dd>

   c. <dl>

   d. <ds>

23. Which DOCTYPE is correct for html5?

   a. <!DOCTYPE html5>

   b. <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 5.0//EN" "http://www.w3.org/TR/html5/strict.dtd">

   c. <!DOCTYPE html>

   d. None of above

24. Which tag is used to indicate the table footer?

   a. <header>

   b. <section>

   c. <tfoot>

   d. <footer>

25. Markup tag tell the web browser

   a. How to organize the page

   b. How to display the page

   c. How to display message box on page

   d. None of above

26. rules attribute in table helps to

   a. draw border inside table

   b. avoid outer border of table

   c. draw outer border of table

   d. None of above

27. Which of the following is used to underline text?

   a. <u>Underline </u>

   b. Underline

   c. Underline

   d. All of the above

28. Which of the following html code helps outputs: f_0+f_2

   a. f₀ + f₁

   b. f⁰ + f¹

   c. f<small>0</small> + f<small>1</small>

   d. None of above

29. Which of the following html element is used to break current line?

   a. <hr>

   b. <break>

   c.

   d. <b>

30. HTML stands for

a) Hyper Text Markup Language

b) Hyper Text Markup Language

c) Hyper Text Marking

d) None of the mentioned

THE END

GROUP 'B'

Long Questions (2 × 20 =40)

Attempt all questions:

1. A. Explain the OSI model along with the applications, devices and protocols related to it. [10]

   B. Explain the medium of connection briefly.   [10]

2. What is nested table? Explain the term cellpadding, cellspacing, rospan and colspan with syntax. Explain common elements used in HTML table. Write a complete HTML code that outputs following: [20]

SN	Name	Subjects			Total
1	Ram Bahadur Thapa	70	60	80	210
2	Hari Maya Acharya	50	40	70	160
3	Niraj Shah	70	80	90	240
4	Sabita Dahal	40	50	60	150

GROUP 'C'

Short Question (6 × 5 =30)

Attempt all questions:

3. What is computer network? Write advantages of computer network. Explain Star and Mesh Topology with proper diagram.
4. What is Internet and Intranet? Explain LAN, WAN and MAN.
5. Write short notes on:
    a. WWW
    b. DNS
6. What are HTML tags? What is html comment? Explain html with its syntax.
7. What are cellspacing and cellpadding? Explain html table with suitable example.
8. What is webpage? Explain WWW with its operation.

THE END

BIT – IFA   *SECTION 'A'*

SET "B"

GROUP 'B'

Long Questions (2 × 20 =40)
Attempt all questions:

1. A. Explain the OSI model along with the applications, devices and protocols related to it.[10]
    B. Explain DNS and www briefly.   [5+5=10]
2. What is HTML? Explain how html works. What is HTML table? Explain common elements used in HTML table. Write a complete HTML code that outputs following: [20]

Subjects	Marks		Total
	Th.	Pr.	
English	70	15	85
Math	90	-	90
Nepali	65		65
Accountancy	85	-	85
Computer Science	40	50	90
Total			415

GROUP 'C'

Short Question (6 × 5 =30)
Attempt all questions:

3. What is Physical Topology? Explain Bus and Ring Topology with figure. What are multipoint and point-to-point connection?
4. Differentiate between internet and intranet. What are internet cache and cookies? Explain the terms webpage, website, filter, search engine and web browsers.
5. Write short notes on:
    a.   Internet History
    b.   URL
6. What is website? Explain how html works?
7. What is nested table? Explain rowspan and colspan attribute with suitable example.
8. What are some common lists that can be used when designing a web page? Explain with their syntax.

THE END