C. U. SHAH UNIVERSITY
Winter Examination-2020

Subject Name : Introduction to Networking & Internet

Subject Code : 4CS01BNT1   **Branch: B.C.A.**

Semester : 1   **Date :15/03/2021**   **Time : 03:00 To 06:00**   **Marks : 70**

Instructions:
  (1) Use of Programmable calculator & any other electronic instrument is prohibited.
  (2) Instructions written on main answer book are strictly to be obeyed.
  (3) Draw neat diagrams and figures (if necessary) at right places.
  (4) Assume suitable data if needed.

Q-1   **Attempt the following questions:**   **(14)**

a)   A Computer network permits sharing of _____
         A. Resources   B. Information
         C. Both A and B   D. none of these

b)   Bluetooth is an example of
         A. Wide area network   B. Virtual private network
         C. Personal area network   D. Local area network

c)   How long is an IPV4 address?
         A. 32 bits   B. 64 bits
         C. 128 bits   D. 128 bytes

d)   Which of the following communications modes support two-way traffic
         but in only one direction at a time?
         A. Simplex   B. half duplex
         C. full duplex   D. multiplexer

e)   Communication between a computer and a keyboard involves
         _____ transmission.
         A. Automatic   B. Half-duplex
         C. Full-duplex   D. Simplex

f)   ____ is a collection of point to point links that may form a circle.
         A. LAN   B. MAN
         C. WAN   D. ring topology

g)   ISDN stands for ____
          A. Integrated Service Digital Network
          B. Interaction System Digital Network
          C. Inexpensive System Digital Network
          D. None of these

h)   The commonly used protocol for webpage transfer is ___

A. HTML   B. HTTP
C. WML   D. XML

i) Which of the following is used for modulation and demodulation?

A. Modem   B. Protocol
C. Multiplexer   D. Gateway

j) _____ cables carry data signals in the form of light.

A. Coaxial   B. Fiber optic
C. Twisted pair   D. None of these

k) Which network topology requires a central controller or hub?

A. star   B. mesh
C. ring   D. bus

l) HTML stands for

A. Hyper Text Markup Language
B. Hyper Text Machine Language
C. Hyper Technical Machine Language
D. None of these

m) HTML tags are represented within _____

A. <>   B. ()
C. []   D. {}

n) Which of the following tag is used to insert a line-break in HTML?

A. <pre>   B.
C. <a>   D. <b>

Attempt any four questions from Q-2 to Q-8

Q-2	**Attempt all questions**	**(14)**
a.	What is networking? Explain objectives of networking.	(5)
b.	Explain Internet and Intranet in detail.	(5)
c.	Explain difference between Client Server network and peer to peer network.	(4)

Q-3	**Attempt all questions**	**(14)**
a.	Explain IPV4 and IPV6.	(5)
b.	Explain DNS.	(5)
c.	Explain components of data communication.	(4)

Q-4	**Attempt all questions**	**(14)**
a.	Explain ring topology and star topology with diagram.	(5)
b.	Explain Physical address and Logical address.	(5)
c.	Explain difference between serial transmission and parallel transmission.	(4)

Q-5	**Attempt all questions**	**(14)**
a.	Explain dial up connection with its advantages and disadvantages.	(5)

b.	Explain coaxial cable media.	(5)
c.	Explain infrared transmission.	(4)

Q-6   **Attempt all questions**   **(14)**

a.	Explain <body> with its any five attributes.	(5)
b.	Explain Ordered list in detail.	(5)
c.	Explain html document structure.	(4)

Q-7   **Attempt all questions**   **(14)**

a.	Explain <img> tag with its any five attributes.	(5)
b.	Explain <select> and <option> with its attributes.	(5)
c.	Explain singular tag and container tag with example.	(4)

Q-8   **Attempt all questions**   **(14)**

a.	Explain LAN, MAN, WAN in detail.	(7)
b.	Explain simplex, half duplex and full duplex transmission mode.	(7)