

C. U. SHAH UNIVERSITY

Winter Examination-2020

Subject Name: Introduction to Networking & Internet

Subject Code: 4CS01INT2

Branch: B.Sc.I.T.

Semester: 1

Date: 09/03/2021

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

- a) PAN stands for _____
- (A) Personal Area Network (B) Professional Area Network
(C) Profile Area Network (D) Per Area Network
- b) How long is an IPv6 address?
- (A) 32 bits (B) 128 bytes
(C) 64 bits (D) 128 bits
- c) A _____ is physical path over which data transfers
- (A) Route (B) Medium
(C) Path (D) Protocol
- d) 1 Octet = _____ bits
- (A) 16 (B) 32
(C) 8 (D) 12
- e) Communication mode which supports data in both directions at the same time is called _____
- (A) simplex (B) Full duplex
(C) Half duplex (D) multiplex
- f) _____ number of links in Mesh topology for N nodes
- (A) N (B) N+1
(C) N-1 (D) $N(N+1)/2$
- g) DNS stands for _____
- (A) Dynamic Name System (B) Dynamic Network System
(C) Domain Name System (D) Domain Network Service
- h) Which transmission media has the highest transmission speed in a network?
- (A) coaxial cable (B) twisted pair cable
(C) optical fiber (D) electrical cable



- i) A _____ is set of rules that governs data.
 (A) Medium (B) Both A & C
 (C) protocol (D) None of these
- j) Which device performs modulation and demodulation?
 (A) Modem (B) Fiber optic
 (C) satellite (D) coaxial cable
- k) The attribute of form tag is
 (A) Method (B) Action
 (C) Both A & B (D) None of these
- l) Web pages start with which of the following tag?
 (A) <Body> (B) <Html>
 (C) <Title> (D) <Form>
- m) Which tag is used to place an image?
 (A) (B) < imag>
 (C) <image> (D) None of these
- n) Which of the following tag is used to mark a beginning of paragraph
 (A) <P> (B) <tr>
 (C) <td> (D)

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

- Q-2 Attempt all questions (14)**
 (a) What are guided media? Explain it types. (7)
 (b) Explain transmission mode with it types in detail. (7)
- Q-3 Attempt all questions (14)**
 (a) Explain with any five attributes. (5)
 (b) Explain <body> with any five attributes (5)
 (c) Explain HTML Page structure. (4)
- Q-4 Attempt all questions (14)**
 (a) Explain Radio waves with its advantages and disadvantages. (5)
 (b) Explain various components of Data communication. (5)
 (c) Differentiate : Serial transmission and parallel transmission (4)
- Q-5 Attempt all questions (14)**
 (a) What is internet and intranet? Explain in detail. (5)
 (b) Explain ISDN with its advantages and disadvantages. (5)
 (c) Differentiate between readonly and disabled attribute of <input> tag. (4)
- Q-6 Attempt all questions (14)**
 (a) Explain LAN with its advantages and disadvantages. (5)
 (b) What is network? Give objectives of networking. (5)
 (c) Explain <pre>.... </pre> tag with example. (4)



