(b) Explain the functions of various layers of TCP/IP model. a) Explain the work

(c) with suitable example and diagram. Discuss guided and unguided media

(d) Discuss about the channelization of FDMA, TDMA and CDMA.

KB23-250/596 63/1 (SEM-6) CC14/BCAHC6146

## 63/1 (SEM-6) CC14/BCAHC6146

0 2023 or locators

BACHELOR OF COMPUTER APPLICATION

Paper: BCAHC6146

( Computer Networks and Internet )

Pass Marks: 24 Full Marks: 60 HUB operates in the

Time: 3 hours

The figures in the margin indicate full marks for the questions.

1. Choose the correct option (any five): 1×5=5

(a) Identify the installation range of LAN.

(i) Within city

(ii) Within factory

(iii) Across countries

(iv) Across continents

KB23/596

(Turn Over)

- 6) message is Protocol responsible to send e-mail
- (i) four
- (ii) five
- (iii) seven
- (iv) ten
- (c) HUB operates in the
- (i) physical
- (ii) datalink
- (iii) network
- (iv) transport
- (d) TCP/IP stands for
- (i) Transmission Control Protocol/ Interface Protocol
- (ii) Transfer Control Protocol/ Internet Protocol
- Transmission Control Protocol/ Internet Protocol
- (iv) Throughput Control Protocol/ Interface Protocol

- (e) Difference between highest frequency signal is called and lowest frequency of a composite
- (i) bandwidth
- (ii) bit rate

20202

ALLON (UE)

- (iii) throughput
- (iu) None of the above
- 8 Checksum is associated with
- (i) network layer
- (ii) datalink layer
- (iii) physical layer
- (iv) application layer
- (9) Identify the odd term out.
- (i) Router
- (ii) Switch
- (iii) PC
- (iv) NIC
- (h) Router is responsible for
- (i) routing of packets
- (ii) error detection
- (iv) amplitude modulation

(iii) multiplexing

(Continued

KB23/596

- (i) The digital signal has \_\_\_\_ level(s).
- (i) one
- (ii) two
- (iii) three
- (iv) four

mil sprongpbnr

Sist did (ii)

- 0 Network of computer networks is called
- (i) intranet ossas si care sosto
- (ii) internetworking
- (iii) virtual asyst statistish to
- (iv) None of the above
- Answer the following questions (any five):
- What is computer networking?

(a)

Explain IEEE standard.

(b)

- (c) modulation? What do you mean by pulse code
- (d) What is WWW?
- (e) What is block coding?
- What is fast ethernet?
- (9) What does congestion mean in layered architecture?

(Continued)

KB23/596

- 3. Answer the following questions (any five):
- Explain the working principle of wireless LAN.
- Write about client/server architecture.
- Explain about piggybacking.
- mechanism. Describe MAC sublayer addressing
- (e) Explain UDP.
- system. Write a short note on domain name
- (9) Differentiate between analog and digital transmission.
- (h) Discuss about CSMA and CSMA/CD in detail.
- (i) code)? What is error correcting code (Hamming
- 4. Answer the following questions (any two):
- (a) What is meant by data communication? characteristics of data communication? What is its component? What are the

KB23/596 (Turn Over)