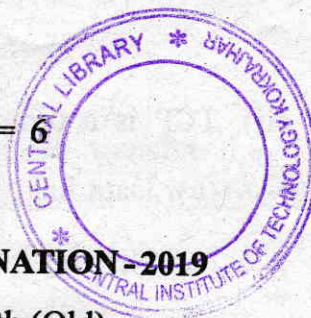Total No. of printed pages = 6

RETEST EXAMINATION - 2019

Semester : 5th (Old)

Subject Code : CO-504

COMPUTER COMMUNICATION AND NETWORKING

Full Marks – 70

Time – Three hours

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

PART – A

Marks – 25

All questions are compulsory

1. Choose the correct answer :   1×5=5

    (i) Which of the following is not a network device ?

        (a) NIC   (b) Modem

        (c) Router   (d) Telnet

[Turn over

(ii) TCP is a protocol of

    (a) Data link   (b) Transport

    (c) Network   (d) Session

(iii) Repeaters and hubs operate at which layer ?

    (a) Data link   (b) Transport

    (c) Network   (d) Physical

(iv) UDP is a

    (a) Reliable service

    (b) Unreliable service

    (c) Both (a) and (b)

    (d) None of these

(v) Encryption takes place at which layer ?

    (a) Application   (b) Transport

    (c) Session   (d) Presentation

2. Fill in the blanks : $1 \times 10 = 10$

    (a) The number of bit positions in which two code words differ is called ———.

(b) In ——— switching, to transfer the data, circuit must be established so that the data transfer can take place.

(c) ——— divide the networks into smaller segments in order to reduce traffic.

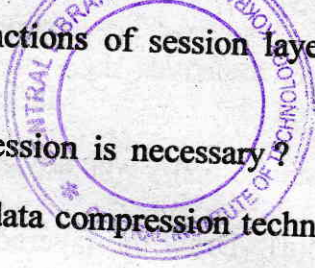(d) Bursty traffic is the factor that causes ———.

(e) Flooding is a ——— algorithm.

(f) The ——— layer is concerned with preserving the meaning of information sent across a network.

(g) In ——— ALOHA transmission must be done in slot boundary.

(h) ——— is responsible for error control and flow control.

(i) Full form of HTML is ———.

(j) Physical layer deals with the ——— and ——— specification.

7. (a) What are the functions of session layer ?

3

(b) Why data compression is necessary ? 2

(c) Write about one data compression technique briefly.

5

(d) What is symmetric and asymmetric encryption ? Give one example of each. 5

8. Write short notes on any *three* : 3×5=15

(a) HTTP

(b) TCP/IP

(c) ISDN

(d) RPC.