Computer Networks (BCA-DS-214)

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- It is compulsory to answer all the questions (1.5 marks each) of Part. A in short. Answer any four questions from Part -B in detail.
- Different sub-parts of a question are to be attempted adjacent to each other.

PART A

H (a) to	that are the five import.	
Q1 (a) "	that are the five important components of data communication?	(1.5)
(b) N	ame four topologies of computer networks.	(1.5)
	efine protocol.	(1.5)
(d) W	rite the importance of CRC in the network.	(1.5)
	hat is Manchester Encoding?	(1.5)
(f) W	hat is IEEE 802.4 Standard?	(1.5)
(g) De	fine collision.	(1.5)
(h) W	hat is the use of routing table?	(1.5)
	nat determine the sender Window size in TCP?	(1.5)
(-)	nat is the difference between unicast and multicast?	(1.5)

PART-B

- Q2 (a) What is OSI model? Explain the functions of different layers of the OSI model in (10)
 - [b] What do you mean by the medium access control? Explain Carrier Sense (5) Multiple Access with Collision Detection (CSMA/CD).
- Q3 (a) Given the data word 101001111 and divisor 10111, show the generation of CRC (5) (5)
 - code word at sender side (b) Differentiate between UDP and TCP.
 - (c) What is data transmission? Explain the asynchronous and synchronous 14 (P.T.O transmission.

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