

B V RAJU INSTITUTE OF TECHNOLOGY
(UGC AUTONOMOUS)

B.Tech 3 Year 1 Semester Regular/Supplementary Examinations, Feb 2021

COMPUTER NETWORKS
ACADEMIC

Time: 3 Hours

Max Marks: 70

Note: This Question Papers Contains Two Parts A and B

Part A: is compulsory Which Carries 20marks. Answer all Questions in Part A at one place only.

Part B consists of 10 Questions. Answer any five (one full question from each unit). Each question carries 10 marks and may have a, b, c as sub questions.

Part - A

(2 x 10 = 20)

1. a) What is the maximum length allowed for a UTP cable?
- b) What is a point to point link?
- c) Describe Network Topology
- d) What is the job of the Network Layer under the OSI reference model?
- e) What does 10Base-T mean?
- f) What is the function of the OSI Session Layer?
- g) What is the disadvantage of a star topology?
- h) What is the advantage of address sharing?
- i) What is the main job of the ARP?
- j) What is the main disadvantage of a peer to peer network?

Part - B

(5 x 10 = 50)

2 What is Brouter?

OR

3 What is NVT (Network Virtual Terminal)?

4 Explain EGP

OR

5 Explain EGP

6 Why Use MAC Address?

OR

7 What are the benefits of the Hamming code?

8 What is the criteria to check the network reliability?

OR

9 What is MAN?

10 What is DNS forwarder?

OR

11 What is NOS in computer networking?
