

United College Of Engineering And Research,Allahabad

B.Tech (7 Semester (2019-2020))

COMPUTER NETWORKS(NCS081)

Max Marks : 30

Time : 3 Hours

Note: There are three sections in this paper . All sections are compulsory.

Section A

Max marks for this section are 10

Attempt ALL Questions.

- Q1: What are routers?
- Q2: What is point to point link?
- Q3: What is subnet mask?
- Q4: What are MAC addresses?
- Q5: What is the purpose of cables being shielded and having twisted pairs?
- Q6: What is anonymous FTP?
- Q7: What do you mean by masking?
- Q8: What is a node?
- Q9: What is DoS?
- Q10: What does 10Base-T mean?

Section B

Max marks for this section are 12

Attempt any FOUR Questions.

- Q1: One way of securing a network is through the use of passwords. What can be considered as good passwords?
- Q2: When you move the NIC cards from one PC to another PC, does the MAC address gets transferred as well?
- Q3: What are firewalls?
- Q4: What are the functions of a network administrator?
- Q5: What is the disadvantage of a star topology?
- Q6: What are the maximum networks and hosts in a class A, B and C network?

Section C

Max marks for this section are 8

Attempt any TWO Questions.

- Q1: What is mesh topology?
- Q2: What is IPv6?
- Q3: What is one basic requirement for establishing VLANs?