

SANT GADGE BABA AMRVATI UNIVERSITY, AMRAVATI
Summer Examination 2020
HVPM's College of Engineering and Technology, Amravati
Department of Electronics & Tele communication Engineering
Bachelor of Engineering Sem. :- VII

Subject :- Data communication Network (DCN)

Code :- 7XT1

Instructions:-

- 1) Solve any two questions**
- 2) All question carry equal marks**

Question 1

- 1) Explain different types of topologies. **02 Credit Point**
- 2) Explain Go Back N ARQ in detail **02 Credit Point**
- 3) Explain IEEE802.4 token bus and draw its frame format **02 Credit Point**
- 4) What are the parameters taken under consideration while taking routing decision
02 Credit Point
- 5) Explain Virtual channel and Virtual path **01 Credit Point**
- 6) Compare And Contract IPV4 and IPV6 along with their header format **01 Credit Point**

Question 2

- 1) Explain different types of Networks **02 Credit Point**
- 2) Explain sliding window ARQ in detail **02 Credit Point**
- 3) Explain slotted ALOHA protocol **02 Credit Point**
- 4) Compare router and switches **01 Credit Point**
- 5) compare frame relay and X.25 **01 Credit Point**
- 6) What kind of services provided by TCP & UPD ? **01 Credit Point**

Question 3

- 1) Write about Protocol and Standards. **02 Credit Point**
- 2) What is difference between the persistent CSMA & Non persistent CSMA? **02 Credit Point**
- 3) what is collision? **02 Credit Point**
- 4) Explain distance vector routing algorithm in detail **02 Credit Point**
- 5) Explain ATM header along with different field for UNI and NNI cell **01 Credit Point**
- 6) Explain TCP/IP protocol suit **01 Credit Point**

Question 4

- 1) Explain different between LAN ,WAN,MAN **02 Credit Point**
- 2) Explain stop and wait ARQ for error control **02 Credit Point**
- 3) classify in details CSMA techniques and then explain P persistent CSMA with the help of flow chart **02 Credit Point**
- 4) Explain Hubs ,gate ways & Bridges **02 Credit Point**
- 5) Explain ISDN channel types **01 Credit Point**
- 6) Explain IP diagram and datagram forwarding **01 Credit Point**