

Roll No.

--	--	--	--	--	--	--	--	--	--	--	--

Total No. of Pages : 02

Total No. of Questions : 18

B.Tech. (Information Technology) (2018 Batch) (Sem.-4)

COMPUTER NETWORKS

Subject Code : BTIT-401-18

M.Code : 77538

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

SECTION-A**Write briefly :**

- Q1 What are protocols and standards?
- Q2 Differentiate between Wired LAN and Wireless LANs.
- Q3 Explain in brief about the term Block Coding.
- Q4 Define the term Flow Control.
- Q5 What is the function of DHCP?
- Q6 List various Unicast routing protocols.
- Q7 What is an IP address? What is the use of an IP address?
- Q8 Explain in brief about SCTP congestion control.
- Q9 Differentiate between TCP and UDP.
- Q10 Explain in brief about the term Bluetooth.

SECTION-B

Q11 Write a detailed note on following transmission media :

- a) Twisted pair
- b) Co-axial cable

Q12 Write a detailed note on CSMA/CA.

Q13 Explain in detail about ARP.

Q14 Write a detailed note on User Datagram Protocol (UDP).

Q15 Explain in brief about Telnet and File Transfer Protocol (FTP) in brief.

SECTION-C

Q16 Write a detailed note on the OSI model. (10)

Q17 Write a detailed note on Token Bucket Algorithm. (10)

Q18 Explain in detail about the following terms in reference to application Layer.

- a) DDNS (3)
- b) EMAIL (4)
- c) HTTP (3)

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.