

Total No. of Questions : 4]

SEAT No. :

PD137

[Total No. of Pages : 1

[6410]-459

T.E. (Information Technology)

COMPUTER NETWORK & SECURITY

(2019 Pattern) (314451) (Semester - II) (Insem)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Answer Q.1 or Q.2, Q.3 or Q.4.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume suitable data, if necessary.

- Q1)** a) Explain Telnet protocol in detail. [5]
b) What is FTP? Where and when is it used? Why does it require two ports? Justify. [5]
c) Why we need DHCP? Explain in detail. [5]

OR

- Q2)** a) Explain persistent and non-persistent HTTP. [5]
b) What is DNS? What is server hierarchy? Explain domain name resolution process. [5]
c) Differentiate FTP and TFTP. [5]

- Q3)** a) Explain IEEE 802.11 FHSS and DSSS. [5]
b) What is WiMax? List the advantages of WiMax? [5]
c) What are the different technical issues to implement WLAN. [5]

OR

- Q4)** a) Describe MAC layer mechanism in IEEE 802.11. [5]
b) Explain frame format of 802.16. [5]
c) Explain in detail architecture of Bluetooth. [5]

