SEAT No. :

PA-10061

[6009]-352

T.E. (Information Technology) (Insem)
COMPUTER NETWORK & SECURITY
(2019 Pattern) (Semester - II) (314451)

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 side indicate full marks.*
4) *Assume suitable data if necessary.*

Q1) a) Explain stepwise the procedure carried out by DHCP client and DHCP server. **[7]**

b) Define DNS. Explain how name resolution happens in DNS. Enlist all the resource records and its functions. **[8]**

OR

Q2) a) What is MIME? Discuss its role in SMTP. **[5]**

b) Why FTP requires two TCP ports? Explain four commands of FTP. **[5]**

c) Differentiate between POP3 and IMAP. **[5]**

Q3) a) Explain the basic architecture of WLAN and discuss various components in it. **[7]**

b) Compare 802.11 & 802.15. What are the limitations of Bluetooth? **[8]**

OR

Q4) a) Explain DCF & PCF in 802.11. **[5]**

b) Explain Bluetooth architecture with diagram. **[5]**

c) What is WiMax? List the advantages of WiMax? **[5]**

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