

Total No. of Questions : 4]

SEAT No. :

PB-144

[Total No. of Page : 1

[6269]-358

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

*Time : 1 Hour]*

*[Max. Marks : 30*

*Instructions to the candidates :*

- 1) *Answers 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) Compare the FTP and TFTP. List the 5 commands of each. [8]**

**b) Explain role of SMTP and POP protocol in E-mail message transfer. [7]**

OR

**Q2) a) What is MIME? Explain MIME header in detail. Discuss its role in SMTP. [8]**

**b) What is Domain Name System with example? Explain in brief hierarchical structure of DNS. [7]**

**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 frame format of IEEE 802.11. [7]**

**b) What are hidden station and exposed station problems in WLAN. [8]**

