T.E. INSEM / APR- 2022

T. E. (IT)

314451: Computer Network and Security

(2019 Pattern)(Semester-II)

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.

Q 1. A) Explain in brief simple mail transfer protocol.   [7]

B) List the similarities and differences between POP3 and IMAP.

Which protocol is better and why?   [8]

OR

Q 2. A) Explain stepwise the procedure carried out by DHCP client and DHCP server.   [7]

B) What is FTP? Where and when it is used? Why does it require 02 ports?

Explain at least 05 user commands used in FTP?   [8]

Q 3. A) Explain Bluetooth architecture with diagram.   [7]

B) Explain the basic architecture of WLAN and discuss various components in it.   [8]

OR

Q 4. A) Explain DCF & PCF in 802.11.   [7]

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

*****All the Best*****