

Total No. of Questions : 4]

SEAT No. :

P-5121

[Total No. of Pages : 2

[6187]-528

T.E. (Artificial Intelligence and Data Science) (Insem)

COMPUTER NETWORKS

(2019 Pattern) (Semester - I) (317521)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Solve Q1 or Q2, Q3 or Q4.
- 2) Figures to the right side indicate full marks.
- 3) Assume Suitable data if necessary.

Q1) a) What is Network Device? Explain Bridge and Gateway. [6]

b) Explain the following topologies with diagram : [5]

- i) Bus
- ii) Star
- iii) Ring
- iv) Mesh
- v) Tree

c) Explain Port addressing and Other addressing. [4]

OR

Q2) a) List and Explain following types of networks : [6]

- i) LAN
- ii) MAN
- iii) PAN

b) What is the difference between guided and unguided transmission media? [5]

c) State advantages and disadvantages of ring topology. [4]

P.T.O.

- Q3)** a) Explain the following : [6]
- i) Attenuation
 - ii) Distortion
 - iii) Noise
- b) Explain Frequency division multiplexing? [5]
- c) Write short note on Manchester code. [4]

OR

- Q4)** a) What is Multiplexing? Explain Time Division Multiplexing. [6]
- b) Compare Message Switching and Packet Switching [5]
- c) Explain types of cable connection? [4]
