

(3 Hours)

Total Marks: 80

Note:

1. Question No.1 is compulsory
2. Solve any THREE questions out of remaining FIVE questions.
3. Figure to the right indicate full marks.

1 Attempt following.

[20]

- A. Explain hubs and routers.
- B. Compare RS 232 and RS 422
- C. Explain burst mode of HART protocol.
- D. Compare H1 and H2 segment of foundation field bus.
- E. Explain importance of data link layer in OSI model.

2. (a) Explain communication mode of HART protocol. [10]

(b) Write detail information about Modbus. [10]

3. (a) Explain Profibus-DP in detail. [10]

(b) Explain CAN bus along with its application. [10]

4. (a) Compare WIFI, GPS and GPRS. [10]

(b) Explain TCP/IP protocol in detail [10]

5. (a) Explain foundation field bus along with its advantages and disadvantages. [10]

(b) Explain manchester coding? [10]

6. Write a short note on:

1. Zigbee [06]

2. LON [07]

3. Data highway plus [07]
