Code No: 138CT **R16**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year II Semester Examinations, September - 2020
INDUSTRIAL DATA COMMUNICATIONS
(Electronics and Instrumentation Engineering)

Time: 2 Hours **Max. Marks: 75**

Answer any Five Questions
All Questions Carry Equal Marks
- - -

1. How data transmission take place in OSI model? [15]

2. Explain the Data highway plus protocol in detail. [15]

3. Explain AS-interface Layout and Physical Media structure with neat diagrams. [15]

4. How control is achieved in foundation field bus? Explain with example. [15]

5.a) Explain types of LAN technology.
b) Explain frequency allocation of radio spectrum. [7+8]

6. Explain EIA-485 interface standard. [15]

7. Explain the MODBUS structure and its implementation. [15]

8. Explain Device-Net layered structure. [15]

---ooOoo---

www.manaresults.co.in