

B.E. (sem-VIII) (Instrumentation) (CBSEs) (NOV-2018)

28/11/2018

Duration: 03 Hours.

Total marks assigned to the paper: 80

Instructions to the candidates if any:-

- N. B. (1) Question No. 1 is compulsory.
(2) Answer any Three out of remaining Five questions.
(3) Assumptions made should be clearly stated.

- Q.1 Explain any Four 20
- a) Define Project and discuss the Project structure with the help of success triangle.
 - b) Explain the role of Designer and constructor.
 - c) Explain the formats of FAT, SAT and CAT.
 - d) Discuss advantages of using software packages for documentation.
 - e) Explain the loop testing check list.
- Q.2 a) Explain the project scheduling techniques. 10
b) Explain the importance of specification sheet. Explain the specification sheet for RTD. 10
- Q.3 a) Draw and explain the hook up diagram for DP transmitter & Prepare the BOM for it. 10
b) Explain the steps involved in the Purchasing and discuss in detail the Purchase Order (P.O) format. 10
- Q.4 a) Explain the check out procedure for the Control valve and DP transmitter. 10
b) Draw and explain Electronic loop wiring diagram for Level control loop. 10
- Q.5 a) Explain different standards used in Instrumentation projects. 10
b) Draw junction box wiring diagram and prepare JB schedule from the same. 10
- Q.6 write a short note on (ANY TWO) 20
- a) Need and importance of Process Flow Diagram (PFD)
 - b) Draw and explain instrument location plan with example.
 - c) Explain the need and importance of Instrument Punch List.