

MAY 2018

Q. P. Code : 40031

( 3 Hours )

( Total marks : 80 )



**N. B.** (1) Question No. 1 is **compulsory**.

(2) Answer any **Three** out of remaining questions.

(3) Assumptions made should be **clearly** stated.

- Q. 1 Explain any **Four** 20
- Define Project and explain the Project structure.
  - Explain the role of constructor.
  - Explain the format of Purchase requisition slip.
  - Explain what is PUNCH LIST and its importance.
  - Explain the cable scheduling with suitable example
- Q.2 10
- List out the Engineering project deliverables and explain each one's importance 10
  - Explain the importance of specification sheet. Explain the specification sheet for Thermocouple. 10
- Q.3 10
- Draw and explain the hook up diagram for DP transmitter & Prepare the BOM for it 10
  - Explain what is Engineering procurement procedure and methods, Also explain the Purchase order (P.O) format 10
- Q. 4 10
- Explain DCS or SCADA graphics in detail. 10
  - Draw and explain Electronic loop wiring diagram for Level control loop. 10
- Q.5 10
- Explain different standard used in Instrumentation projects. 10
  - Checkout procedure for Control valve and DP Transmitter. 10
- Q.6 Write a short note on (**ANY TWO**) 20
- FAT, CAT and SAT
  - Draw and explain instrument location plan with example.
  - Project Scheduling techniques.