

Duration: 03 Hours.

Total marks: 80

Marks assigned to each question are stated against each question.

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 explain types of project.
 - b) Explain the role of constructor.
 - c) Describe Cable scheduling.
 - d) Explain the PUNCH list.
 - e) What is Tender and its types.
- Q.2 10
- a) Explain the project deliverables in detail
 - b) Explain the importance of specification sheet. Explain the specification sheet For Pressure transmitter. 10
- Q.3 10
- a) Compare project scheduling technique CPM And PERT
 - b) Write short notes on procurement methods and procedure. 10
- Q.4 10
- a) Draw and explain electronic loop wiring diagram for level control loop.
 - b) Draw and explain hook-up diagram for flow and temperature measurement. 10
- Q.5 10
- a) Explain different standard used in Instrumentation projects.
 - b) Discuss in detail advantages of using software packages for documentation. 10
- Q.6 write a short note on (ANY TWO) 20
- a) Checkout procedure for Temperature transmitter and control valve.
 - b) Draw and explain instrument location plan with example.
 - c) What is HMI? Explain the importance of graphics in process control industry. Prepare graphical user interface template.
