

INST/VIII/CBGS/IPD&E/18-05-2017

Q. P. Code: 16110

Inst. Project Doc. & Execution

Duration: 03 Hours.

Total marks assigned to the paper: 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. No.	Marks
Q. 1 Explain any Four	20
a) Define project and types of Project.	
b) Explain the role of Designer.	
c) Describe Junction box scheduling.	
d) Explain types of Tenders.	
e) Electronic loop diagram.	
Q.2 a) Explain the project Planning in detail	10
b) Explain the importance of specification sheet. Explain the specification sheet For Temperature transmitter.	10
Q.3 a) Explain project scheduling technique.	10
b) Draw and explain instrument location plan with example.	10
Q. 4 a) Explain DCS or SCADA graphics in detail.	10
b) Draw and explain hook-up diagram for pressure and temperature measurement.	10
Q.5 a) Explain different standard used in Instrumentation projects.	10
b) Checkout procedure for Pressure transmitter and control valve.	10
Q.6 write a short note on (ANY TWO)	20
a) Discuss in detail advantages of using software packages for documentation.	
b) Explain testing, commissioning and calibration in general.	
c) What is HMI? Explain the importance of graphics in process control industry. Prepare graphical user interface template.	
