

Total No. of Questions : 12]

SEAT No. :

P3576

[Total No. of Pages : 2

[4959] - 1192

B.E. (Instrumentation and Control) (Semester - I)

Project Engineering and Management

(2012Pattern)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Solve Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8, Q.9 or Q.10, Q.11 or Q.12.*
- 2) *Figures to the right side indicate full marks.*
- 3) *Neat diagrams must be drawn wherever necessary.*
- 4) *Use of Calculator is allowed.*
- 5) *Assume Suitable data if necessary.*

Q1) What is project organization? Explain any one type of it. **[6]**

OR

Q2) Write a short note on the stages of project management. **[6]**

Q3) Write the differences in PERT and CPM. **[8]**

OR

Q4) What are the time estimation methods? Explain. **[8]**

Q5) Draw P & I diagram for three element drum level control. **[6]**

OR

Q6) Write importance of specification sheet. Draw specification sheet for differential pressure instruments. **[6]**

P.T.O.

- Q7) a)** What are the various types of cables? Explain in brief. [8]
- b) What is loop wiring diagram? Draw a loop wiring diagram for level control loop. [8]

OR

- Q8) a)** Draw installation sketch for differential pressure sensing flow transmitter. [8]
- b) What is loop wiring diagram? Draw a loop wiring diagram of pressure control loop. [8]

- Q9) a)** Explain the procurement activities in the project. [8]
- b) What are the documents required during the procurement activities. [10]

OR

- Q10) a)** Explain the construction activities in the project. [9]
- b) Explain the tendering and bidding processes. [9]

- Q11) a)** What are SAT, FAT and CAT? Explain the FAT for control panel. [8]
- b) What are the types of control panel? Explain one in detail. [8]

OR

- Q12) a)** Explain cold commissioning and hot commissioning for control panel. [8]
- b) Write a short note on breakfront control panel. [8]

