Paper / Subject Code: 53202 / Instrumentation Project Documentation & Execution

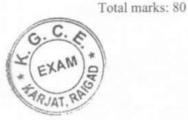
B.E.(INSTRUMENTATION)(SEM VIII) (CBSGS) / Dec. 2019 / 09.12.2019

Duration: 03 Hours.

Instructions to the candidates if any:-

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

- (2) Answer any Three out of remaining questions.
- (3) Assumptions made should be clearly stated.



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Q. 1		Solve any Four.	20
	a)	Explain the different standards used in project documentation.	
	b)	Explain the primary purpose of the Process flow diagram.	
	c)	Draw and explain PRN (Purchase Requisition Note) format.	
	d)	Explain the format of Punch List and also explain its importance.	
	e)	.Explain what is FAT, CAT and SAT and its importance.	
Q. 2	a)	Neatly draw the P & ID diagram for tank level control scheme Explain specification Sheet for Differential pressure type Level Transmitter.	10
	b)	Draw & explain electronic loop wiring diagram for Temperature control loop.	10
Q. 3	a)	Draw installation hook up diagram of DP transmitter and also prepare BOM.	10
	b)	Explain what is Tender and also explain the different types of tenders. Also Explain in detail all the steps involved in the Purchasing	10
Q. 4	a)	What are the main tasks of system integrator? Discuss CFC and SFC in detail with suitable example.	10
	b)	Explain what pre-commission and commissioning, explain in detail all the activities carried out during commissioning.	10
Q. 5	a)	List out the comparison between CPM and PERT project scheduling techniques.	10
	b)	How the cable is routed between control panel & junction box? Prepare a chart showing point to point wiring information.	10
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a) Discuss in detail advantages of using software packages for documentation.

b) Explain the Operations & maintenance (O & M) manual of the system integrator.