Printed	Pages	- 3
---------	-------	------------

Roll No.:

327613(27)

B. E. (Sixth Semester) Examination April-May 2020

(Old Scheme)

(E&I Branch)

INDUSTRIAL INSTRUMENTATION-2

Time Allowed: Three hours

wat sawment and here

action of the con-

(encourage) to un more this northing the entire test (

Minimum Pass Marks: 28

Note: Attempt all questions. Part (a) of each question is compulsory. Attempt any two parts from (b), (c) and (d) of each question.

Docume of the witter in detail

- 1. (a) Define Frequency, hollow to or all a right 2
 - (b) Describe the working of Sept superheterodyne for frequency analysis.

PTO

7

[3	ļ
-----	---

Unit-IV

		of frequency measurement?	,	4.	(a)	What is dual slope A/D converter?
	(d)	Explain multi-filter Real-time spectrum analyzer in detail.	7		(b)	Discuss the Ramp type A/D converter with advantages.
		Unit-II			(c)	Explain Weighted-Resister D/A converter with
2.	(a)	What is Power?	2 -			example.
	(b)	Explain Bolo meter method for high power measurement in detail.	7		(d)	A 5-bit converter is used for a DC voltage range of 0-10 V. Find the weight of MSB and LSB. Also find the exact range of the converter and the
	(c)	Describe colorimeter method of power measurement with application.	7			error.
		The state of the s				
	(d)	Discuss the construction and working of Directional				Unit-V
	(d)	Discuss the construction and working of Directional couplers.	7	5.	(a)	What is Transducer?
	п- ц	couplers. Unit-III	7	5.	(a) (b)	Po.
3.	п- ц	couplers.	2	5.	. ,	What is Transducer?
3.		Couplers. Unit-III		5.	(b)	What is Transducer? Discuss the Universal Counter in detail. Explain IEEE 488 Bus. Write short notes on:
3.	(a) (b)	Unit-III What are the units of voltage and current? Discuss digital voltmeter in detail.	2	5.	(b) (c)	What is Transducer? Discuss the Universal Counter in detail. Explain IEEE 488 Bus.
3.	(a) (b) (c)	Unit-III What are the units of voltage and current?	2	5.	(b) (c)	What is Transducer? Discuss the Universal Counter in detail. Explain IEEE 488 Bus. Write short notes on:

[2]

(c) How we can use different electronics techniques

327613(27)

100]

327613(27)