Iotal No. of Questions: 5 ] [Total No. of Printed Pages: 2	[2]
Roll No Rgpvonline.com	Or
Roll No High vorinine.com	(a) Discuss Q-meter and its applications with suitable example.
EX-604(N)	(b) Explain Anderson's and universal bridge. 10
	3. (a) What is transducer ? Explain LVDT in details. 10
B. E. (Sixth Semester) EXAMINATION, June, 2011	(b) Explain analog and digital data acquisition system. 10  Or
(Electrical and Electronics Engg. Branch)	
<b>ELECTRONICS INSTRUMENTATION</b>	(a) Write about Piezoelectric and Optoelectronic transducer.
[EX-604(N)]	(b) Explain RVDT and strain gauge with neat sketch. 10
Time: Three Hours	4. (a) What is the importance of the signal generator in research? Explain random noise generator with
Maximum Marks : 100	application. 10
Minimum Pass Marks: 35	(b) Describe AF sine and square wave generator with suitable diagram and working.
Note: Attempt all questions. All questions carry equal marks.	Or
1. (a) What are the application and advantages of general CRO and DSO?	(a) Explain spectrum analyzer and digital Fourier analyzer.
<ul> <li>(b) Explain how will you generate Lissajous patterns using CRO.</li> </ul>	(b) What is basis principle of wave analyzer? Explain with diagram.
Or	5. (a) Define the following terms: 10
(a) Explain Dual beam and sampling CRO. 10	(i) Resolution (ii) Sensitivity (iii) Accuracy (iv) Noise
(b) Discuss the following: . 10	(iii) Accuracy (iv) Noise (v) Q-facture
(i) Vertical and horizontal deflection system	(b) Explain digital display system like CRT and LCD. 10
(ii) Postdeflection acceleration	Or
	(a) Discuss analog recorder and RS232C. 10
<ol> <li>(a) Explain Maxwell's inductance capacitance bridge with analysis and phasor diagram.</li> </ol>	(b) What is the difference between analog voltmeter and digital voltmeter? Explain working principle of digital
(b) Describe Schering and Hays bridge. 10	voltmeter with proper diagram. 10
P. T. O.	EX-604(N) 5,230

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