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Theory Examination (Semester-IV) 2015-16		
ELECTRONIC MEASUREMENTS & INSTRUMENTATION		
Time: 3 H	Hours Max. Marks: 100	
Section-A		
	empt all parts. All carry equal marks. Write answer each part in short. (2×10=20)	
a.	Define random error and Gross error with suitable example.	
b.	Define accuracy and precision with suitable example.	
c.	What do you mean by Dissipation factor? Explain.	
d.	What is Quality factor and its importance in measure- ment.	
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(15×2=30)

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Explain constructs www.FirstReinge of Galvanometer www.FirstR

PMMC instrument with PSD of 100 μA and a coil resistance of 2kΩ is to be converted into a voltmeter. Determine the required multiplier resistance if the voltmeter is to measure 35V at full scale. Also calculate the applied voltage when the instrument indicates 0.8, 0.5, and 0.2 of FSD with neat circuit diagram.

Q5. Explain the working procedure of following:

i. Plotter

ii. Sampling Oscilloscope

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