



ANJUMAN-I-ISLAM'S  
**KALSEKAR TECHNICAL CAMPUS, NEW PANVEL**  
 School of Engineering & Technology

**DEPARTMENT OF MECHANICAL ENGINEERING**

CLASS:- TE ME 1

SEM:- V

SUBJECT:- MMC

DATE:- 25 / 10/ 2016

DURATION:- 60 min.

MARKS:- 20

**UNIT TEST 2**

**Q.01 Attempt any two: (08 Marks)**

	marks	CO
a) Describe Generalized Measurement System in detail.	04	(CO-1)
b) Explain working of stroboscope.	04	(CO-2)
c) Give brief note on McLeod Gauge	04	(CO-3)
d) Give short note on a. Thermocouple                      b. LVDT	04	(CO-2 &3)

**Q.02 Attempt any two: (12 Marks)**

a) Sketch the Bode Plot and find Gain Margin $G(s) = \frac{Ks^2}{(1+0.2s)(1+0.02s)}$	06	(CO-6)
b) Elucidate Steady state analysis of step, ramp and parabolic inputs.	06	(CO-5)
c) Write short note on any four characteristics of an instrument	06	(CO-1)