

## ANJUMAN-I-ISLAM'S

## KALSEKAR TECHNICAL CAMPUS, NEW PANVEL School of Engineering & Technology

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DEPARTMENT OF MECHANICAL ENGINEERING			
	SEM:- V		
BJECT:- MMC	DATE:- 25 / 10/ 2016		
RATION:- 60 min.	MARKS:- <b>20</b>		
UNIT TEST 2			
1 Attempt any two: (08 Marks)		marks	СО
Describe Generalized Measurement System in detail.		04	(CO-1)
Explain working of stroboscope.		04	(CO-2)
Give brief note on McLeod Gauge		04	(CO-3)
Give short note on		04	(CO-2
a. Thermocouple b. LVDT			&3)
2 Attempt any two: (12 Marks)			
Sketch the Bode Plot and find Gain Margin  Ks <sup>2</sup>		06	(CO-6)
$G(s) = \frac{1+0.2s}{(1+0.02s)}$			
Elucidate Steady state analysis of step, ramp and parabolic inputs.		06	(CO-5)
Write short note on any four characteristics of an instrument		06	(CO-1)
	SS:- TE ME 1 BECT:- MMC  RATION:- 60 min.  UNIT TEST 2  1 Attempt any two: (08 Marks)  Describe Generalized Measurement System in detail.  Explain working of stroboscope.  Give brief note on McLeod Gauge  Give short note on  a. Thermocouple  b. LVDT  2 Attempt any two: (12 Marks)  Sketch the Bode Plot and find Gain Margin  Ks²  G(s) =   (1+0.2s) (1+0.02s)	RATION:- 60 min.  DATE:- RATION:- 60 min.  WINIT TEST 2  1 Attempt any two: (08 Marks)  Describe Generalized Measurement System in detail.  Explain working of stroboscope.  Give brief note on McLeod Gauge  Give short note on  a. Thermocouple  b. LVDT  2 Attempt any two: (12 Marks)  Sketch the Bode Plot and find Gain Margin $Ks^2$ $G(s) = \frac{Ks^2}{(1+0.2s)(1+0.02s)}$ Elucidate Steady state analysis of step, ramp and parabolic inputs.	SSS:- TE ME 1  BJECT:- MMC  RATION:- 60 min.  DATE:- 25 / 10/  MARKS:- 20   UNIT TEST 2  1 Attempt any two: (08 Marks)  Describe Generalized Measurement System in detail.  Explain working of stroboscope.  Give brief note on McLeod Gauge  Give short note on  a. Thermocouple  b. LVDT  2 Attempt any two: (12 Marks)  Sketch the Bode Plot and find Gain Margin $Ks^2$ $G(s) = \frac{Ks^2}{(1+0.2s)(1+0.02s)}$ Elucidate Steady state analysis of step, ramp and parabolic inputs.  06