gauge.

Q.P. Code: 18ME0321													K18			
Re	eg.	No:														
		SIDDH	ART	H INS	TITU	TE O	FEN	GINE	ERIN	G&	TECH	INOI	LOGY:	: PUT	TUR	
							(AU	TONO	JOMC	JS)						
		B.T	ech II	I Yea									Februa	ry-202	22	
					MF				MEAS			<b>TS</b>				
<b></b>		2.1					(Mech	anica	l Engi	neerir	ıg)					1 60
Lin	ne:	3 hours						DAD	T. A					Ma	x. Ma	rks: 60
					(Ang	war al	the C	PAR		2 -	10 Ma	rka)				
1	a	(Answer all the Questions 5 x 2 = 10 Marks)  a Differentiate between Allowance and Tolerance														2M
•	b													2M		
	c	***											2M			
	d											2M				
	e How does a torque meter work?										2M					
								<b>PAR</b>	<u>T-B</u>							
					(Ans	swer a	ll Five	-	s 5 x 1	0 = 5	0 Mar	ks)				
								UNI	T-I							
2	a												<b>5M</b>			
	b	Define deviations. Explain types of deviations with the help of sketches.												5M		
2	OR															407.5
3	W	What are the different types of gauges? Explain any four limit gauges.  UNIT-II												10M		
4	a	a Simplify the angle measuring method involved in Bevel protractors with sketch.										with a	neat	6M		
	b														<b>4M</b>	
	_							Ol								
5		plain w llimator.	ith th	e helj	p of r	ieat sl	ketche	s the	princ	iple	and c	onstru	iction	of an	auto	10M
								UNIT	THE REAL PROPERTY.							
6	a												ıds		5 <b>M</b>	
	b	What are the errors and its causes in screw threads?														5M
7		Daganih			4 - 6	1.	1 1	Ol		1	,					<b>73.4</b>
7	a		be measurement of pitch by base Tangent method.  ate method of measuring the gear tooth thickness by Constant Chord method									5M				
	b	Elabora	ite ille	mou c	or meas	suring				cknes	s by C	onsta	nt Cho	ra met	noa	5M
8	UNIT-IV  List out Displacement transducers? Explain inductive transducer with suitable													alzata	h	101/
o	LI	si oui Di	sprace	mem	uansu	icers:	Expla	Ol		trans	aucer	WILL	Sunadio	Skeic	11.	10M
9	a	Define	strain	rosett	e? De	nendir	o on 1			nent (	of strai	in gar	iges lie	et out s	strain	5M
	et	rosettes		103011	.c. Dc	penun.	ig on	ine an	angel	incilt (	or sua	ııı gat	iges, III	ou out s	ou alli	3111
	b		Elaborate Rectangular strain gauge rosette.													5M
						54		UNI	$\Gamma$ - $\mathbf{V}$							
10	a	Explair	abou	t Diar	hraom	931104	e in de	the state of the s		dvant	ages					5M
_ ,	b	_		_	_						_	terial	of a bo	nded s	strain	5M
	<b>b</b> List the essential characteristics required for the backing material of a bonded st															

OR

11 What are the basic methods of force measurement? Elaborate elastic force devices with neat sketch.