Seat No).:	Enrolment No GUJARAT TECHNOLOGICAL UNIVERSITY		
Ch.t.a.	DIF	PLOMA ENGG V th SEMESTER-EXAMINATION -	JUNE- 2012	
Subje Sh :-		e: 355505	Date: 08/00/2012	
Subje	CU NAI	ne: weiding inspection & Testing	T . 4 . 1 M 70	
I ime:	10:30	<i>i</i> am – 01:00 pm	Total Marks: 70	
Instru	iction			
	1. Att	tempt all questions.		
	2. Mia 3 Fia	ike suitable assumptions wherever necessary.		
	3. Fig 4 . Eng	plish version is considered to be Authentic		
Q.1	(a)	Explain in brief final testing and certification fab. Job.	. (07
Q.2	(b)	Explain briefly the Responsibility of welding inspector.		07
Q.1	(a)	Explain in brief :- Fabrication job Drawing Reading.		07
	(b)	Explain the need importance of parameter of ship.		07
0.2	(b)	Explain briefly the selection criteria of NDT methods.	(07
Q.J	(a)	Define the term NDT.		07
	()	Explain in brief the Codes & Standards used in NDT m	ethods.	• •
	(b)	Explain in brief :- The need and application of NDT.		07
		OR		
Q.3	(a)	Compare between the "DT and NDT" Testing method	ls.	07
	(b)	Explain in brief :- The basic principle of visual inspecti	on.	07
_		Describe the defects that can be detected by visual inspe	ction.	
Q.4				~-
	(a)	Explain the procedure for LPT as per ASME Sec-V		07
	(b)	Differentiate between X ray & Camma ray testing meth	ode	07
	(0)	State the Advantages, Limitations, & Application of RT		07
		OR		
Q. 4	(a)	Explain in brief with reference to RT		07
		1. Exposure Time		
		2. SFD calculation		
	(1.)	3. Safety calculation		
	(b)	Explain in brief with reference to UT:		07
		1. Standard Test Block		
05		2. Evaluation of now size.		
Q .0	(a)	Explain the Ultrasonic Thickness measurement		07
	(00)	State the advantages, Limitations and Applications of U	JT.	• •
	(b)	Define the term Magnetic particle test and state it's prin	ncipal.	07
		Explain in brief the different Magnetizing Techniques.		
		OR		•
Q.5	(a)	Explain in brief with neat sketch :- , principal, Equipment	nt, Procedure,	07
	/ኤ\	specimen as per codes & Standard of Bend Test.		07
	(U)	Advantages Limitation & Application of ECT		07