Seat No.: _____ *Enrolment No._____*

GUJARAT TECHNOLOGICAL UNIVERSITY

BE- VIth SEMESTER–EXAMINATION – MAY- 2012

Subject code: 161505 **Date: 19/05/2012**

Subject Name: Maintenance & Safety Engineering

Time: 10:30 am – 01:00 pm **Total Marks: 70**

Instructions:

1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	**(a)**	What safety precautions you will take , if you are safety officer of your college campus (Including hostels)	**07**
	(b)	Discuss the various factor to be considerd while deciding the kind of maintenance practice to be followed in any organization.	**07**
Q.2	**(a)**	What safety precautions were taken in the industrial organization you have visited.Suggest some improvements according to the work carried out there .	**07**
	(b)	Explain the steps of safety procedure	**07**
		OR	
	(b)	Explain safety publicity and safety consciousness	**07**
Q.3	**(a)**	Explain various types of causes of accidents.	**07**
	(b)	Explain costs of accidents with illustration.	**07**
		OR	
Q.3	**(a)**	Explain first degree hazards & second degree hazards.	**07**
	(b)	Discuss the effects of accidents	**07**
Q.4	**(a)**	Methods to increase service life of equipments.	**07**
	(b)	Maintenance and plant safety go hand in hand . criticise	**07**
		OR	
Q.4	**(a)**	Define maintenance. Bring out its scope outline the various types of maintenance what are its objectives.	**07**
	(b)	Requirements of good preventive maintenance.	**07**
Q.5	**(a)**	What measures you will take for good house/workshop keeping.	**07**
	(b)	Write note : Evaluation of maintenance performance	**07**
		OR	
Q.5	**(a)**	Explain with sketches maintenance and repair of safts and spindles.	**07**
	(b)	What is repair complexity Explain the role of repair complexity in maintenance planning.	**07**

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