

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**
