

GUJARAT TECHNOLOGICAL UNIVERSITY**M. E. Sem. – IInd - Examination – June/July- 2011****Subject code: 1721402****Subject Name: Resources Management****Date: 24-06-2011****Time: 10.30 am to 1.00 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) Write short note on “construction machinery in India-its evolution”. **07**
 (b) Discuss advantages of integrated material management. **07**
- Q.2** (a) (i) Explain followings: lead time & safety stock. **03**
 (ii) Difference between standard equipment & special equipment. **04**
 (b) (i) Explain importance of material management. **04**
 (ii) Discuss significance of gradability. **03**
- OR**
- (b) (i) State benefits of standardization and codification. **04**
 (ii) Explain following: COT & Drawbar Pull. **03**
- Q.3** (a) Discuss functions of purchasing department. **07**
 (b) Discuss scientific planning of equipment for construction project. **07**
- OR**
- Q.3** (a) What is hand to mouth buying? Discuss limitation of hand to mouth buying. **07**
 (b) State advantages and disadvantages of the predictive maintenance. **07**
- Q.4** (a) What are relevant costs for inventory decision? How are they obtained in real life situation? **07**
 (b) Discuss various methods of inspections of materials. **07**
- OR**
- Q.4** (a) State & discuss briefly various selective techniques adopted in inventory control system. **07**
 (b) Enlist various types of waste on construction project. State causes of wastage. **07**
- Q.5** (a) Enlist parts of concrete batching plants. State function of each briefly. **07**
 (b) How the total power requirement of a conveyor belt system is calculated. **07**
- OR**
- Q.5** (a) Enlist and explain A-Z benefits of predictive maintenance. **07**
 (b) State & discuss task constraints, site constraints & economic constraints for equipment planning selection. **07**
