

GUJARAT TECHNOLOGICAL UNIVERSITY
ME- SEMESTER II- EXAMINATION – SUMMER 2015

Subject Code: 2721402**Date: 28/05/2015****Subject Name: Resource Management****Time: 2:30 PM – 5:00 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) Describe the importance and scope of material management in construction management. Support your answer with suitable example. **07**
- (b) Discuss the preventive maintenance and predictive maintenance and their advantages and disadvantages **07**
- Q.2** (a) Enlist and explain various factors affecting the planning and selection of equipment. **07**
- (b) Enlist and explain various factors affecting supplier's selection. How can you plan survey in this regard? **07**
- OR**
- (b) Discuss the application of EOQ model with suitable example. **07**
- Q.3** (a) Justify the management of equipment in construction industry with suitable example. **07**
- (b) Explain the process of procurement of construction materials. Also mention the necessary factors to be kept under consideration during procurement of construction materials **07**
- OR**
- Q.3** (a) How do you carry out planning and selection of equipment for road projects? **07**
- (b) Describe the VED analysis, its features and application in material management **07**
- Q.4** (a) Write short note on : **07**
- (1) Earth moving machinery and its productivity in India
- (2) Pneumatic type concrete pumps.
- (b) Write short note on : **07**
- (1) Qualities of good quality of material manager
- (2) Reorder level and Reorder Quantity
- OR**
- Q.4** (a) Describe various issues regarding to maintenance and depreciation of equipment and also suggest remedies. **07**
- (b) Describe the ABC analysis, its features and application in material management **07**
- Q.5** (a) Discuss various safety aspects of construction equipment **07**
- (b) Enlist various resources of construction management and specify the advantages of management of such enlisted resources. **07**
- OR**
- Q.5** (a) Define Inventory? Distinguish between the fixed order quantity system and the periodic review system. **07**
- (b) Write short note on : **07**
- (1) Cost of preventive maintenance
- (2) Wastage Audit at Construction Site