

GUJARAT TECHNOLOGICAL UNIVERSITY**ME – SEMESTER –II-(New)-EXAMINATION – SUMMER-2019****Subject Code: 3721413****Date: 28/05/2019****Subject Name: Construction Resource Management****Time: 02:30 PM TO 05:00 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) Define mapping of resource and enlist different method of mapping. **07**
 (b) Explain method of time schedule and cost control. **07**
- Q.2** (a) Give the reasons for low output of Indian labours and write the characteristics of labours. **07**
 (b) Write a short note on : Minimum wages Act-1948 and workmen's compensation Act-1923. **07**
- OR**
- (b) Define material management and give its objectives. **07**
- Q.3** (a) What is Inventory? And write its functions. **07**
 (b) Explain factors affecting selection of construction equipment's. **07**
- OR**
- Q.3** (a) Differentiate between standard equipment and special equipment. **07**
 (b) Explain the significance of EOQ. What are the limitations of using the formula for an EOQ? **07**
- Q.4** (a) What is a re-order point? Draw a sketch of a simple inventory model showing the re-order point, order quantity **07**
 (b) Enlist and explain phases of material management. **07**
- OR**
- Q.4** (a) Define time management and explain elements of time management. **07**
 (b) What are the different factors responsible for delay in schedule time of a project? **07**
- Q.5** (a) Differentiate between resource Smoothing and resource leveling. **07**
 (b) Define Cost trade off and Explain the concept of Resource Allocation in construction. **07**
- OR**
- Q.5** (a) Write short Note on: Resource Loading & Value Management. **07**
 (b) What is job layout? What are their purposes? List the factors affecting job layout. **07**
