Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER II (NEW) - • EXAMINATION - SUMMER 2016

Subject Code: 2721402 Date: 25/05/2016 **Subject Name: Resource Management** Time: 10:30 am to 01:00 pm **Total Marks: 70** Instructions: 1. Attempt all questions. Make suitable assumptions wherever necessary. 2. 3. Figures to the right indicate full marks. **Q.1** How do you see the role of resource management for effectiveness in 07 **(a)** construction management? **(b)** Discuss about types of Inventory and purpose of inventory control with 07 reference to construction industry. Explain about integrated material management and complexities associated with 0.2 07 (a) material management. Justify the statement "Material management and Equipment management are 07 **(b)** core tools construction management to elevate the quality of construction and overcoming the issues adhered to time and cost overrun." OR Discuss about need of selective control and its advantages. **(b)** 07 Q.3 Explain the significance of material management and also about managerial skill 07 (a) required for material management. Write short note on : 07 **(b)** (1) EOQ Model (2) Safety stock OR **Q.3 (a)** Write short note on : 07 (1) Price discount (2) Inventory turnover ratio. Discuss various considerations for the planning and selecting equipments for 07 **(b)** hoisting and pile driving operation. Q.4 Discuss about standardization in inventory control and its advantages. 07 **(a)** Define and describe a re-order point. Prepare a rough sketch of a simple 07 **(b)** inventory model showing the re-order point, order quantity and procurement time OR **Q.4** Enlist and explain factors affecting supplier's selection. 07 **(a)** Enlist various types of waste on construction project. State causes of wastage. 07 **(b)** 07 **Q.5 (a)** Write short note on: (2) Depreciation problems in machine. (1) VED Analysis Discuss the preventive maintenance with its advantages and disadvantages **(b)** 07 OR Q.5 Write short note on: 07 (a) (1) Safety aspects of construction equipment. (2) Code of conduct as per Indian Institute of Materials Management. 07 **(b)** Explain Mobility required of the equipment planning and Operator's effectiveness

with the equipment with reference to selection of equipment.
