Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY ME - SEMESTER-2 (NEW)• EXAMINATION – WINTER 2015

Subject Code: 2721402

Time: 02.30 PM to 05.00 PM

Subject Name: Resource Management

Instructions: 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. **Q.1** Write your views about effective resource management for successful outcomes 07 (a) of construction industries. How do you see the significance of equipment management for construction **07 (b)** management? Support your answer with suitable example. **Q.2** (a) Discuss about significance of safety aspects of construction equipment in detail. 07 Explain the ABC analysis and its features with suitable application. **(b)** 07 OR Define material management and write objectives and scope of material **(b)** 07 management in construction industry. Explain the planning and selection of equipment for Hauling. **07** Q.3(a) How do you see the role of resource management for managing cost overrun of **(b)** 07 construction projects. OR Explain the planning and selection of equipment for Concrete production. Q.3 07 (a) **(b)** Write about operational characteristics and production rates of various equipments in 07 detail. **Q.4** Signify the role of condition based maintenance (CBM) program for better **07** (a) manage equipment downtime and prevent costly component failures. **(b)** Discuss the characteristics of good material manager 07 OR 0.4 Discuss about the depreciation problems in machines 07 (a) Write short notes on: 07 **(b)** (1) VED Analysis (2) Role of vendor analysis in material management **Q.5** How do you carry out planning and selection of equipment for tunneling **07** (a) projects? Enlist and explain the factors affecting the procurement of construction material. (b) 07 OR **Q.5** Discuss about material planning and factors affecting the material planning for **07** (a) material management. How do you carry out planning and selection of equipment for tunneling 07 **(b)** projects?

Date: 09/12/2015

Total Marks: 70