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GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VI (NEW) - EXAMINATION - SUMMER 2016 Date: 17/05/2016

Subject Code:2161303

Subject Name: Estimating, Specifications & Project Management

Time: 10:30 AM to 01:00 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** Work out the quantities of following items from Figure 1: 14 (i) Excavation
 - (ii) RCC (1:2:4)
 - (iii) Steel
- **Q.2** (a) Explain the following Terms for the condition of contract: **07**
 - (i) Alteration, Addition, Omission
 - **(b)** Explain the following Terms for the condition of contract: **07**
 - (i) failure to complete the work in time

- **(b)** Explain Lump-Sum Contract in detail. **07**
- **Q.3** (a) Write detailed specifications of Plastering in cement mortar. **07**
 - **(b)** Write the specifications of P.C.C (1:4:8). **07**

OR

- **Q.3** (a) What is specifications? Explain detailed specification in detail. 07 **(b)** Write a short note on "Earnest money" and security deposit" 07
- (a) Prepare Rate Analysis for P.C.C (1:4:8) Work **07 Q.4**
 - Prepare Rate Analysis for Brick Masonry in super structure in **07** cement mortar (1:6).

OR

- (a) Prepare Rate Analysis for 12mm thick Plastering. **Q.4** 07
 - **(b)** Prepare Rate Analysis for R.C.C (1:2:4) Work 07
- Write the purpose of foundation. Explain Strap Footing with neat Q.5 **07** (a) sketch.
 - **(b)** Write the purpose of soil exploration. **07**

Activity	Description	Time
A	Publish tender notice in news paper to dispose off all the old instruments.	1
В	Market inventory for the available latest instruments for various parameter	4
С	Ask for the quotation for the selected instruments for various parameter	2
D	Placing work order for the various instruments	3
Е	Delivery of the instruments	4
F	Take trial run	2

(b) Write the difference between Planning process & Scheduling process.

