GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER - VI (OLD). EXAMINATION - WINTER 2016

Subject Code: 161303 Date: 22/10/2016
Subject Name: Estimation, Specification & Project Management
Time: 10:30 AM to 01:00 PM Total Marks: 70

Instructions:

1. Attempt all questions.

period and critical path.

- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.
- **Q.1** Explain long wall and Short wall methods of estimate with example. 07 (a) **(b)** Define Specification. Also write objects, importance and use of specification. 07 **Q.2** Write down all eight steps involved in project planning. 07 (a) Differentiate between CPM and PERT network. **(b)** 07 **(b)** Write conditions of contract for failure to complete the works in time. 07 **Q.3** Write a short note on Unit-price contract. **07** (a) Write a short note on Unbalanced tender. 07 **(b)** Write a short note on Negotiated contract. 07 Q.3 (a) Write a short note on contractual dispute and arbitration. **(b)** 07 What is Milestone chart? Differentiate between Milestone chart and Bar chart. **Q.4 07** (a) Prepare a tender notice inviting tenders for pH meter for an educational institute **07 (b)** with estimated cost of Rs. 30,000/- max. Write detailed specification of white washing. 07 0.4 (a) Explain Rubble Masonry in detail. **07 (b)** Write short note on Earnest money and Security deposit. Q.5 07 (a) Prepare Rate analysis for cement concrete (1:2:4). **07 (b)** OR **Q.5** From the following table, prepare a network diagram, decide the completion 14 (a)

Activity item	Duration	Activities immediately	
	Days	preceding	following
A	8	None	B, C
В	10	A	C, D, E, H
С	7	A, B	D
D	4	B, C	F, H
Е	2	В	G, H
F	9	D	I
G	12	Е	I
Н	1	B, D, E	I
I	5	F, G, H	None
