Seat No.: _____ *Enrolment No._____*

GUJARAT TECHNOLOGICAL UNIVERSITY

B. E. Sem-VI Examination May- 2011

Subject code: 161303

Subject Name: Estimation, Specifications &Project Management

Date:19/05/2011 **Time: 10.30 am – 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 : (i) Excavation (ii) PCC (1:3:6) (iii) Brickwork (iv) RCC work	**14**
Q.2	**(a)**	Write conditions of contract for Extension of time and extra items	**07**
	(b)	Write a short note on lump sum contracts.	**07**
		OR	
	(b)	Write a short note on essential requirements of a valid contract.	**07**
Q.3	**(a)**	Write detailed specifications of Damp Proof Course 2.5cm,cement concrete (1:1.5:3)	**07**
	(b)	Write detailed specifications of Excavation.	**07**
		OR	
Q.3	**(a)**	Write detailed specifications of lime concrete in foundation	**07**
	(b)	Write detailed specifications of Reinforced Cement Concrete (1:2:4)	**07**
Q.4	**(a)**	Explain "Earnest Money" and "Security Deposit" in detail.	**07**
	(b)	Prepare a Tender Notice inviting tenders for Analytical Balance for an educational institute with estimated cost of Rs 50,000/-.	**07**
		OR	
Q.4	**(a)**	Write a short note on measurement book.	**07**
	(b)	Write a short note on Muster Roll.	**07`**
Q.5	**(a)**	What is a milestone chart? How does it differ from a bar chart?	**07**
	(b)	Define and explain the following terms: (i) Optimistic time (ii) Most likely time	**07**
		OR	
Q.5		For the network shown in the Figure 2 compute the activity times, float and determine the critical path.	**14**

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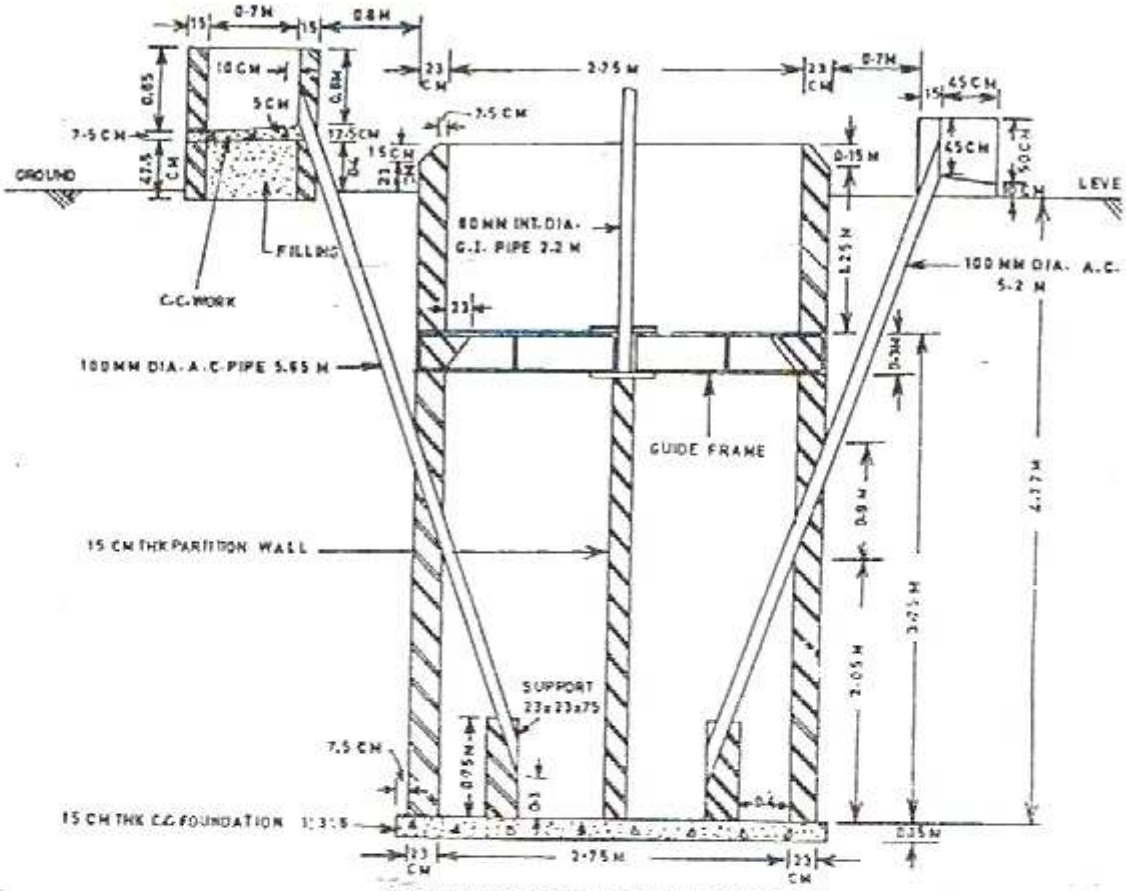
GROUND
LEVE
FILLING
C.C. WORK
80 MM INT. DIA. G.I. PIPE 2.2 M
100 MM DIA. A.C. 5.2 M
100 MM DIA. A.C. PIPE 5.65 M
GUIDE FRAME
15 CM THK PARTITION WALL
SUPPORT 23x23x75
15 CM THK C.C. FOUNDATION 1:3:6
2.75 M
CROSS-SECTIONAL ELEVATION

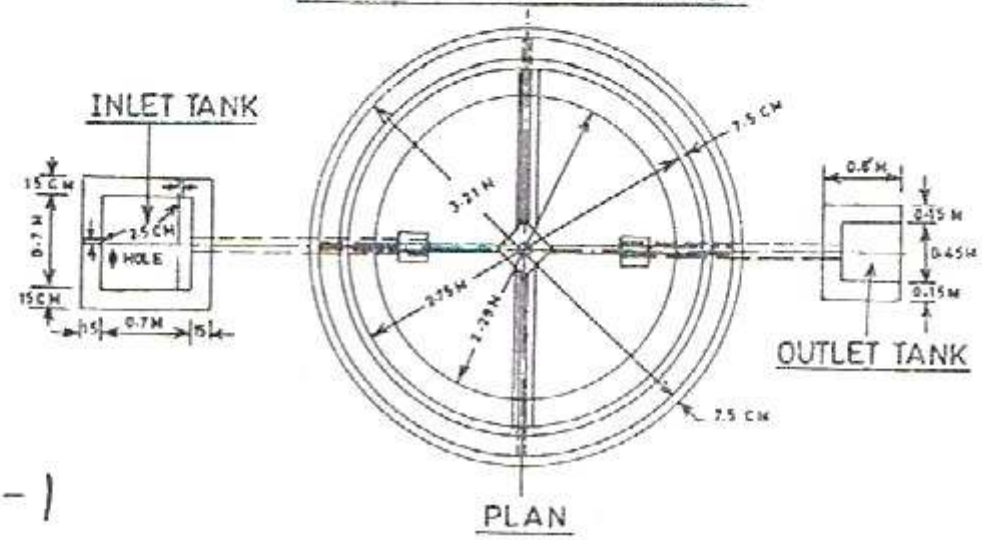
INLET TANK
HOLE
OUTLET TANK
PLAN

Figure - 1

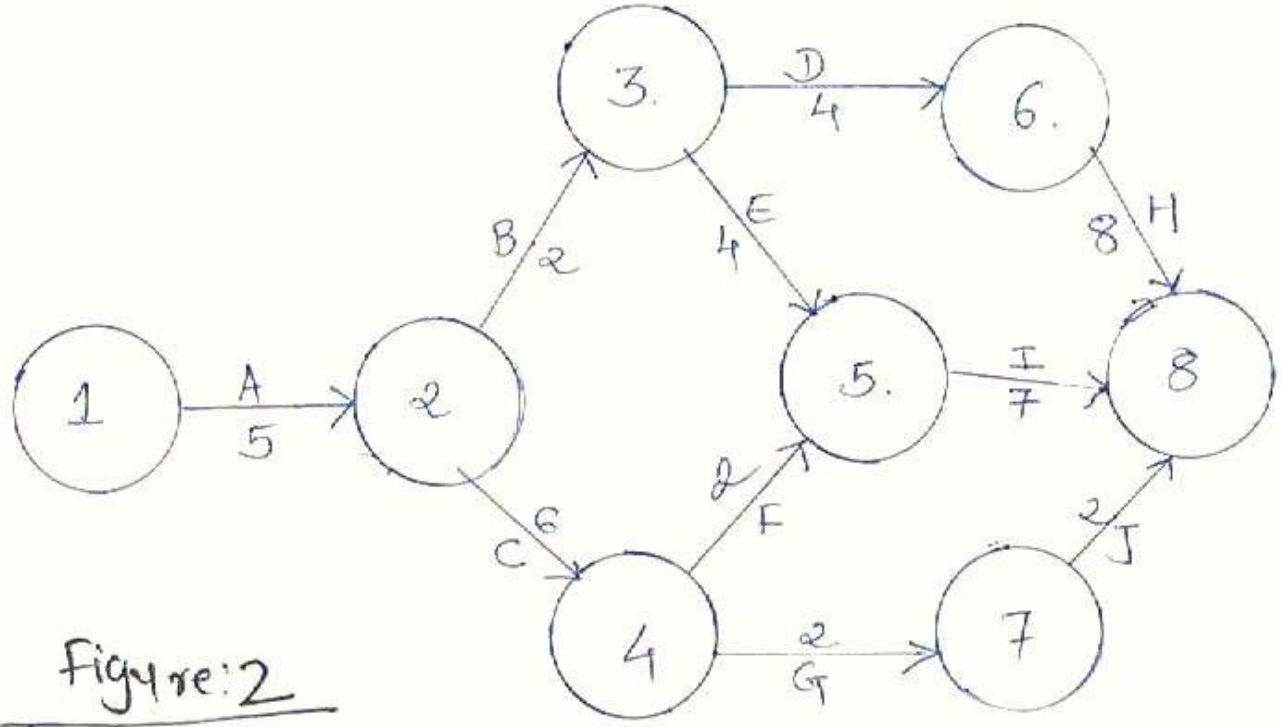

Figure: 2