

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
BE SEM-VI Examination-Nov/Dec-2011

Subject code: 161303

Date: 25/11/2011

Subject Name: Estimation, Specification & Project Management

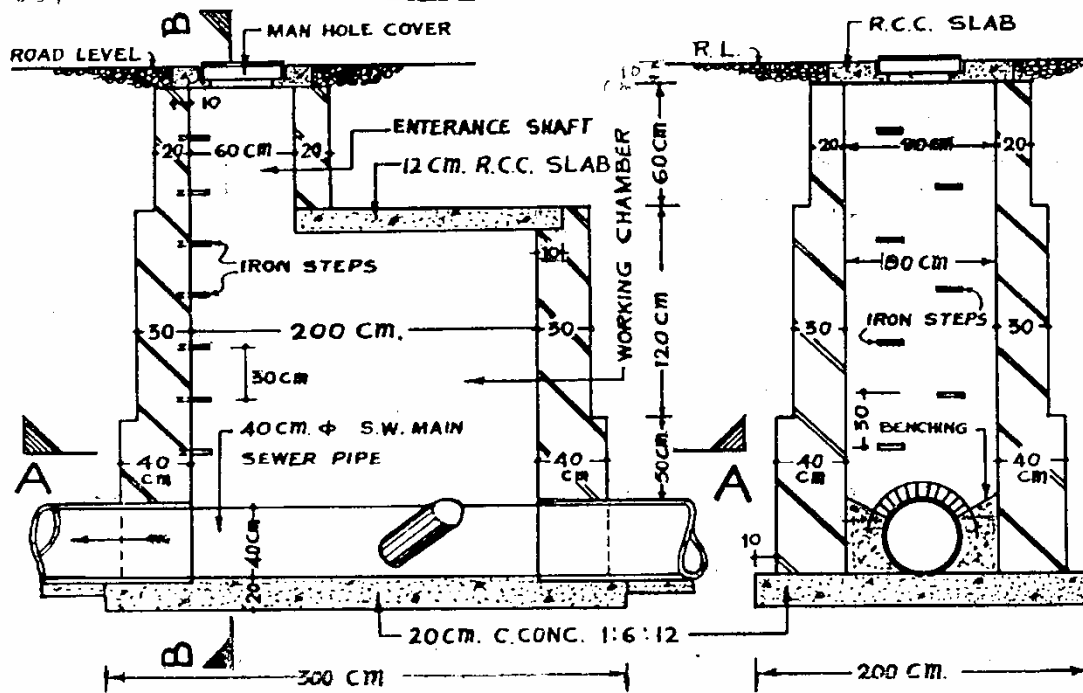
Time: 10.30 am -1.00 pm

Total marks: 70

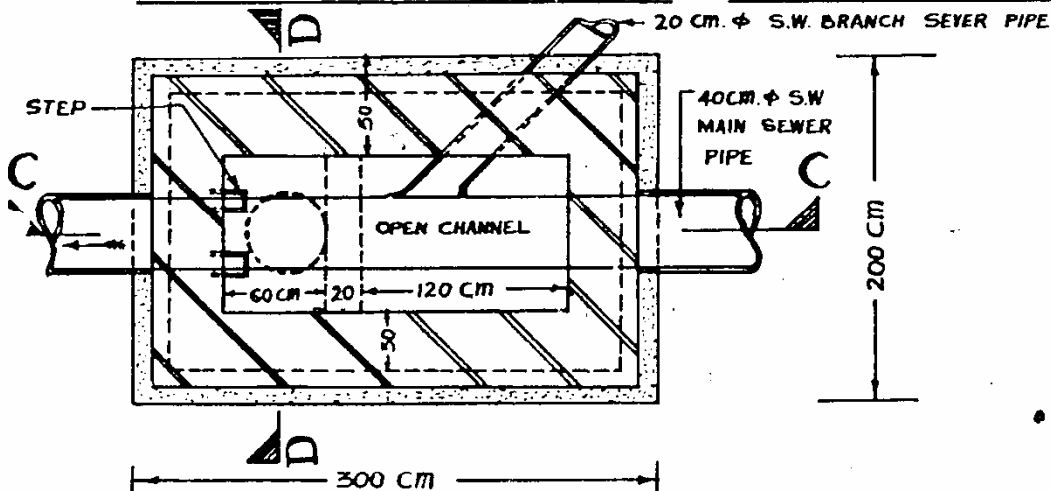
Instructions:

- 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 for construction of manhole from Figure 1 : **14**
(i) Excavation
(ii) Cement Concrete (1:6:12)
(iii) Brickwork
(iv) RCC work (with out steel)
- Q.2** (a) Write conditions of contract for interim payment to the contractor. **07**
(b) Write a short note on Unit-price contract. **07**
OR
(b) Write a short note on Negotiated contract. **07**
- Q.3** (a) Write detailed specifications of white washing. **07**
(b) Write detailed specifications of R.C.C work (1:2:4) **07**
OR
- Q.3** (a) Write detailed specifications for removal of water from foundation. **07**
(b) Write detailed specifications of brickwork I class in Cement Mortar (1:6) **07**
- Q.4** (a) Prepare Rate Analysis for Brickbat Cement Concrete (1:4:8) **07**
(b) Prepare Rate Analysis for 5mm thick plaster. **07**
OR
- Q.4** (a) Prepare a Tender Notice inviting tenders for P^H meter for an educational institute with estimated cost of Rs 25,000/-. **07**
(b) Write a short note on Unbalanced Tender. **07**
- Q.5** (a) Enlist and explain limitations of Bar chart along with its remedies. **07**
(b) Define and explain the following terms: **07**
(i) Event(ii) Activity
OR
- Q.5** (a) Enlist the type of foundations and explain any one in detail. **07**
(b) Write a short note on types of Masonry Construction. **07**



SECTIONAL ELEVATION ON C-C SECTIONAL ELE. ON D-D



SECTIONAL PLAN AT A-A

MAN HOLE