

SUBJECT CODE NO:- P-353
FACULTY OF ENGINEERING AND TECHNOLOGY
B.E. (Civil) Examination MAY/JUNE-2016
Professional Practice
(Revised)

[Time: Three Hours]

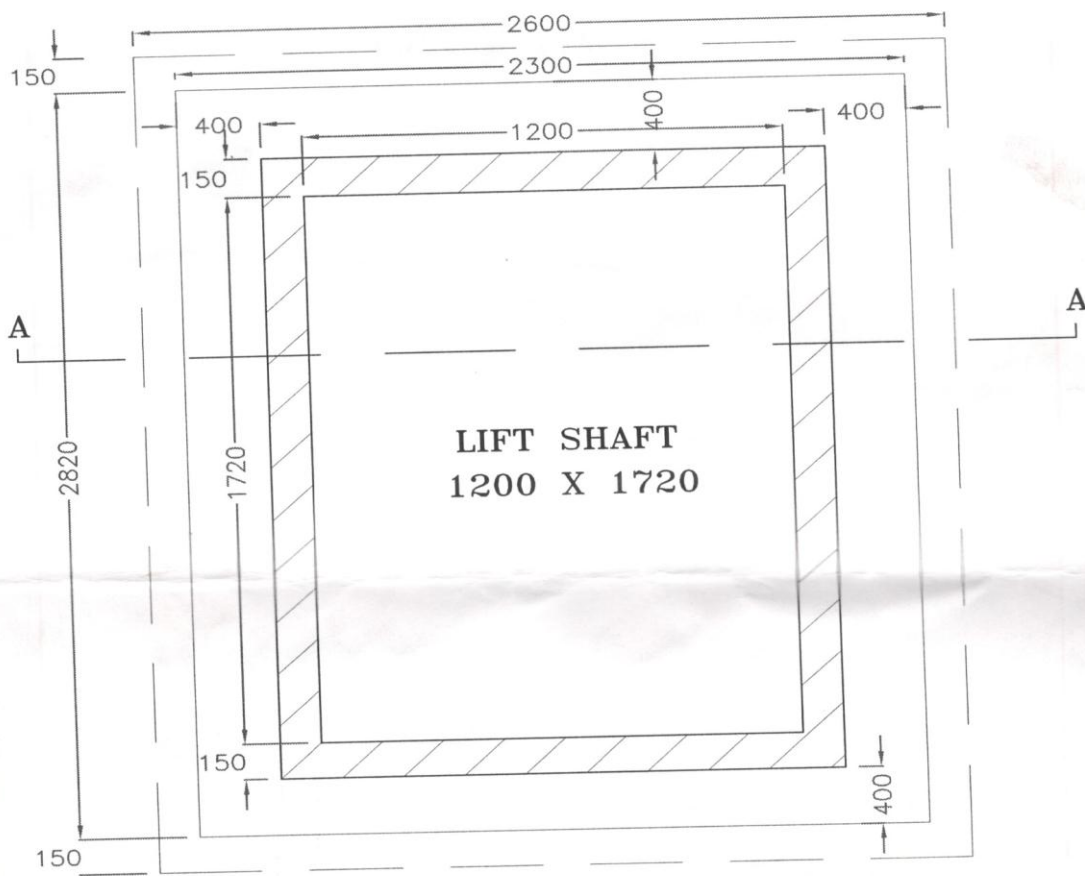
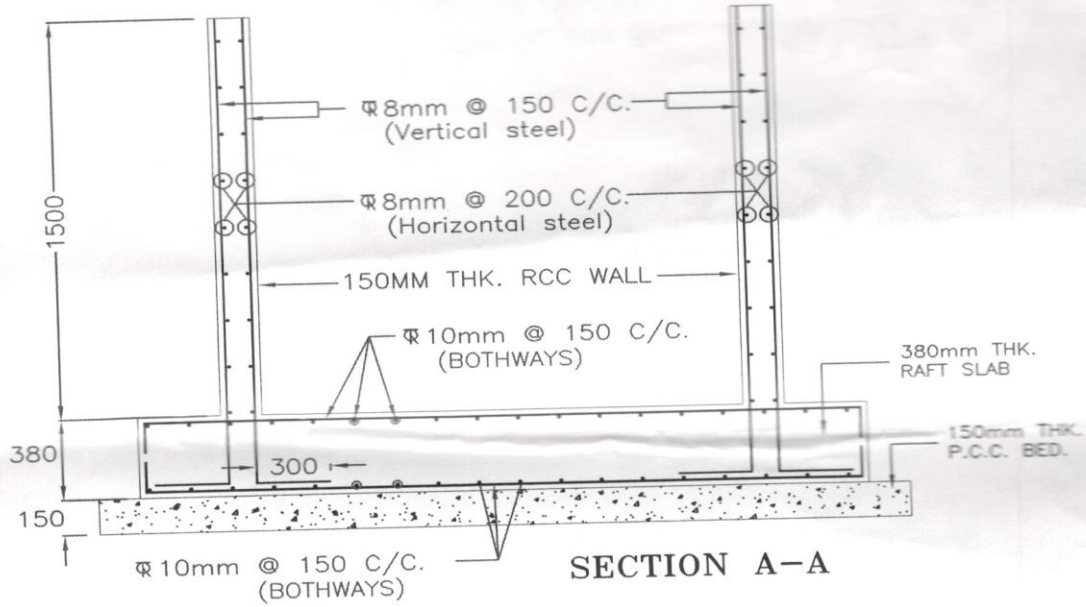
[Max Marks:80]

“Please check whether you have got the right question paper.”

- N.B
- i) Q.No.1 is compulsory and solve any two questions from remaining in section A.
 - ii) Attempt any three questions from section B.
 - iii) Figures to the right indicate full marks.
 - iv) Assume suitable data, if necessary and state it clearly.

Section A

- Q.1 Workout the quantities of the following items from the given drawing (figure 1): 20
- a) RCC Raft slab (1:1 $\frac{1}{2}$:3)
 - b) P.C.C (1:2:4)
 - c) R.C.C wall (1:2:4)
 - d) Steel Reinforcement in Raft slab only
- Q.2
- a) Differentiate between general specifications of IST class Building and IInd class Building. 05
 - b) Write detail specifications for R.C.C work. 05
- Q.3
- a) List and explain the factors that affect rate analysis. 05
 - b) Calculate the quantity of materials to the following terms: 05
- i) R.C.C (1:2:4) for 20m³ of work
 - ii) R.C.C (1:3:6) for 15m³ of work
- Q.4
- a) What IS: 1200(1974) used for? List out its parts along with nature of work involved 05
 - b) Write a note on approximate Estimate 05



PLAN OF LIFT RAFT & RCC WALL
(FIGURE-1)

Section B

Q.5	a) Define contract? List different types of contract & explain percent rate contract in detail.	07
	b) Discuss the role of Architect and structural engineer in construction Industry.	06
Q.6	a) What is tender? Draft a sample tender notice assuming suitable data.	07
	b) What is E.M.D and S.D? What are its objects?	06
Q.7	a) An old shop in the main market area has been purchased by a person at a cost of Rs.20000/-. Work out the amount of annual sinking fund at 3% interest assuming future life of the building as 15 yrs. Take scrap value of the Building as 10% of the cost of purchase	07
	b) Discuss , Income and outgoings of a building	06
Q.8	a) How work is classified in Government dept? Discuss.	06
	b) What is technical sanction? Discuss its importance and relevance to the work.	07
Q.9	a) What is a sale deed? Discuss its merits and demerits.	07
	b) What is N.A? Discuss its concept and use.	07