

Seat No.	
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**B.E. (Civil) (Semester-VII) (New Course) Examination, 2013**  
**QUANTITY SURVEYING & VALUATION**  
**Sub. Code : 47902**

Day and Date : Saturday, 08-06-2013

Total Marks : 100

Time : 2.30 p.m. to 5.30 p.m.

- Instructions :
- 1) Q. No. 1 is compulsory.
  - 2) Attempt any Two questions from remaining questions of Section-I
  - 3) Attempt any Three questions from Section-II.
  - 4) Assume any other additional data if required and state it clearly.

**SECTION-I**

**Q1)** Prepare a Neat Bar Bending schedule for reinforcement and calculate the total quality of reinforcement steel required including wastage for the following data: [20]

Beam Type	Size in mm	Main bars	Top Anchor bars	Stirrups in mm	Remarks	
B1-10 nos	450 x 230	4-16 mm $\Phi$ 2 straight & 2 bent up	2-8 $\Phi$	8 $\Phi$ @ 200 c/c	6.00m C/C span	All Beams are simply supported on columns which are 450 mm wide.
B2-10 nos	400 x 230	2-16 mm $\Phi$ straight & 2-12mm $\Phi$ bent up	2-8 $\Phi$	8 $\Phi$ @ 250 c/c	4.00m C/C span	Beam cover = 25mm End cover = 50mm
Columns-25 nos	450 x 450	6-20mm $\Phi$ Main vertical bars	NA	8 $\Phi$ @ 200c/c	Clear Floor height = 2.90m	side cover=40mm

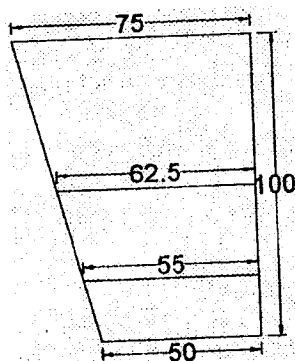
- Q2) a)** What are the different types of estimates? Explain preparing Approximate estimate for an Industrial shed having several long bays. [9]
- b)** Write short notes on Overhead charges, transportation charges and price escalation. [6]

**P.T.O.**

- Q3) a)** Work out the quantity of materials required for laying 25mm thick marble flooring in a room of size 5.2 x 4.3m in 30mm cement bed mortar in C:M 1:4. [6]
- b) Enlist the Task work or output for the following works:
- i) Uncoursed rubble masonry in foundation and plinth.
  - ii) Half Brick masonry in superstructure.
  - iii) Concrete in R.C.C.
  - iv) White washing.
  - v) External cement plaster. [5]
- c) Write short notes on contract between employer and contractor. [4]
- Q4) a)** Explain in detail Standard schedule of rates. Give prevailing market rates for any five construction materials in your vicinity. [9]
- b) Write the General specification for Asphalt Road work. [6]

**SECTION-II**

- Q5) a)** What are the different purposes for which valuation is necessary? [5]
- b) What is a Tender? Explain Item rate and Lumsum contract. [5]
- c) Draft Tender Notice for a Municipal Corporation Road project of 20 km in and around the city worth Rs. 20 crores. Assume any other suitable data. [6]
- Q6) a)** Differentiate between free hold and lease hold property. [5]
- b) Explain the different methods of calculating depreciation. [5]
- c) Work out Value of a cinema theatre having gross income Rs. 75 lacs per year. Year's purchase is 10.62 for 50 years and total outgoings are at 40% of gross income. Land cost is Rs. 25 lacs. [6]
- Q7) a)** Explain valuation by developmental method. [8]
- b) Valuation of a plot as shown in figure is to be done by belting method. The plot is having front width as 50m and 75m at the rear. The front belt is having a depth of 20m and is valued at Rs. 350 per sqm. Dimensions of the plot are as given in Fig. [8]



Q8) Write short notes (any Three):

[18]

- i) Building lease and Occupation lease.
- ii) Different types of values.
- iii) B.O.T, B.O.O.T and B.O.L.T.
- iv) Capitalized value and year's Purchase.

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