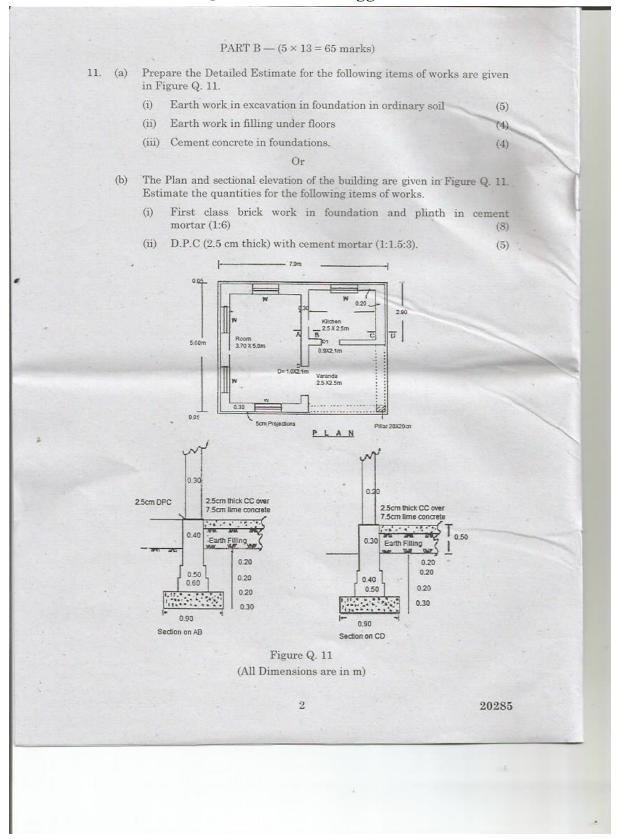
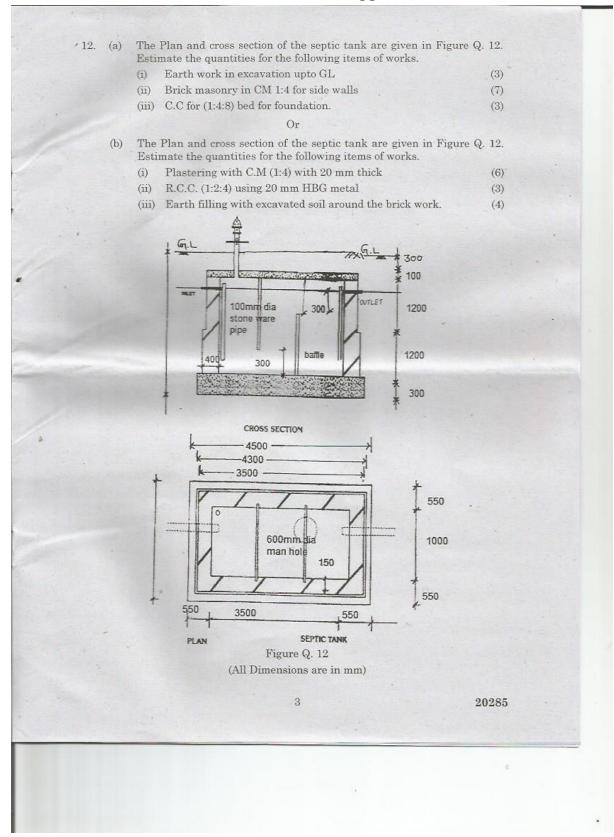
	Question Paper Code: 20285
	B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2018.
	Seventh Semester
	Civil Engineering
	CE 6704 — ESTIMATION AND QUANTITY SURVEYING
	(Regulations 2013)
(C	ommon to PTCE 6704 –Estimation and Quantity Surveying for B.E. Part-Time – Sixth Semester – Civil Engineering – Regulations 2014)
Tin	ne : Three hours Maximum : 100 marks
	Answer ALL questions.
	PART A — $(10 \times 2 = 20 \text{ marks})$
1	Name the types of estimate.
2	Briefly explain about preliminary estimate.
3.	List out the factors to be considered in design of septic tank.
4.	A cement concrete road (1:2:3) is to be constructed over the existing water bound macadam road. The thickness of slab is 10 cm. The length of the road is one km and the width is 3.60 m. Calculate the quality of cement concrete required.
5.	List the types of contract.
6.	Define the term arbitration.
7.	Define the Gross income.
8.	List out the information should contain a contract document.
9.	State the principles of report preparation.
10.	State the basic principles of good report writing.





13. (a)	Calculate the Quantity of material for the following item of w	onles
	(i) R.C.C. (1:2:4) for 20 m ³ of work	
	(ii) R.C.C. (1:3:6) for 15 m ³ of work	(4)
	(iii) C.M. (1:4) for 1 m ³ of work	(4)
	(iv) CM (1:6) for 1 m ³ of work.	(3)
	(17) CM (1.0) for 1 in of work.	(2)
	Or	
(b)	Prepare a data sheet and calculate the cost of the following ite	em of works:
	(i) Plastering with cement mortar (1:4), 20 mm thick unit-	The state of the s
	0.21 m ³ C.M. (1:4)	TO III-
	0.66 Nos. Brick layer I class	
	1.54 Nos. Brick layer II Class	
	0.5 Nos. Men Mazdoors	
	3.2 Nos. Women mazdoors	
	L.S. sundries.	
	(ii) R.R. Masonry in C.M. (1:6) – 1 m ³	
	1.1 m³ Rough stones	
	0.34 m ³ C.M. (1:6)	
	0.54 Nos. Mason I Class	
	1.26 Nos. Mason II Class	
	1.40 Nos. Men mazdoors	
	1.40 Nos. Women mazdoors	
	LS. Sundries. Lead Statement of materials:	
		onveyance Charges per km
	1 Rough stone 260.0 m ³ 18 5.	00 per m ³
		00 per m ³
	3 Cement 2100.0 10 kN	oo por m
	or Local	
	1 tonne	
	Labour Charges:	
	(1) Mason / Brick layer I Class Rs. 100.00 per day	
	(2) Mason /Brick layer II class Rs. 80.00 per day	
	(3) Men mazdoor Rs. 60.00 per day	
	(4) Women mazdoor Rs. 60.00 per day	
	(5) Mixing charges of cement mortar Rs. 16.00 per m ³	
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14. (a) Examine in detail about various methods of calculations of depreciation.

Or

- (b) Calculate the standard rent of a government residential building newly constructed from the following data:
 - (i) Cost of land Rs. 10,000.00
 - (ii) Cost of construction of building Rs. 40,000.00
 - (iii) Costs of roads with in compounds and fencing Rs. 2,000.00
 - (iv) Cost of electric installation including fans 10% of the cost of building
 - (v) Municipal house tax Rs. 400.00 per annum
 - (vi) Water Tax Rs. 250.00 per annum
 - (vii) Property tax Rs. 140.00 per annum.
- (a) Summarize the general principles for report preparation also explain the structure of report.

Or

(b) Examine the report on estimation for construction of water supply and sanitary work.

PART C —
$$(1 \times 15 = 15 \text{ marks})$$

16. (a) Prepare the detail estimate for the 'soak pit' as shown in Figure Q. 16 (a).

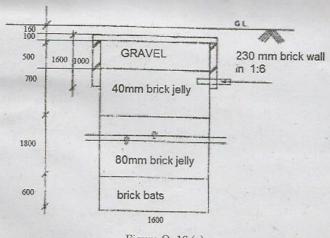


Figure Q. 16 (a)

(All Dimensions are in mm)

Or

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