Assignment/Quiz:

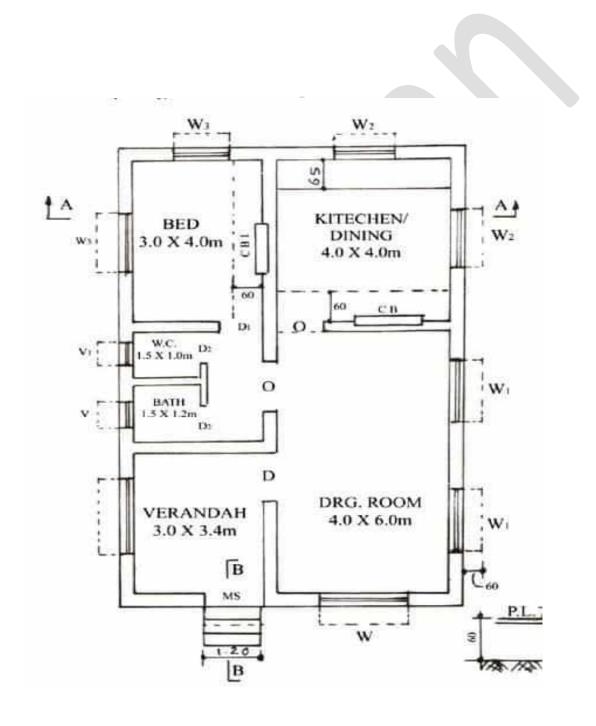
Name: Muhammad Arsalan

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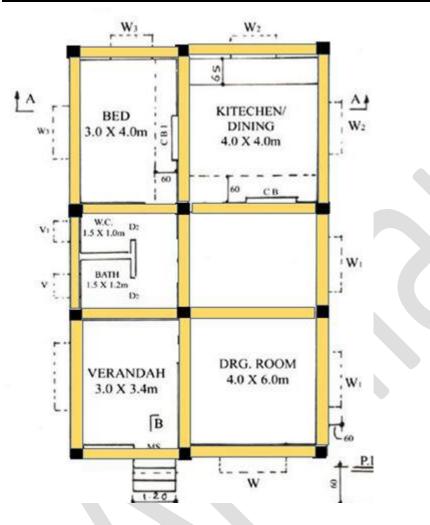
Department: (B-Tech civil)

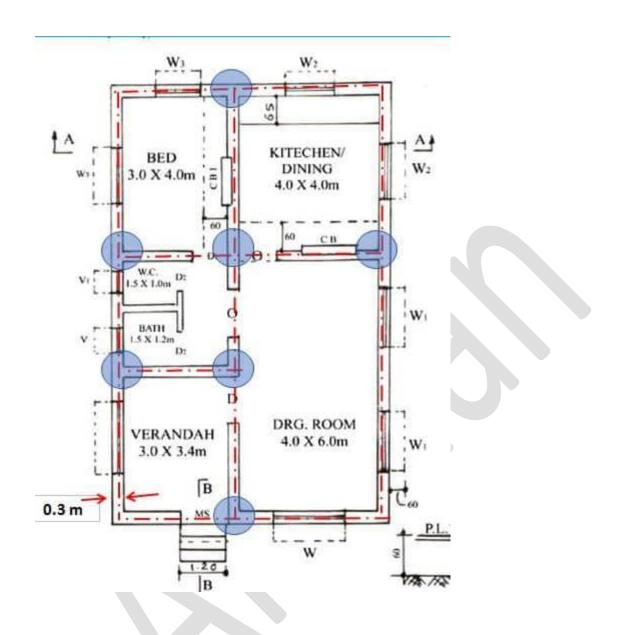
Question No: 1

Design a single story RCC Structure by your own and provide detail of measurement and calculation of all quantities?



Interpretation of drawing:





Quantity sheet:

S.No	. Particulars of Items	No	L	В	Н	Q	Explanation
1.	Earth Work excavation						
	for foundation					-0-000000000000000000000000000000000000	14 04 74 4 4 14 14 14 14 14 14 14 14 14 14 14 1
	a) Long walls	2	6.2	0.9	1.4	15.264	L=5.3+.45+.45=6.2
	1-2. 35-22-13			500,000			D=0.3+0.5+0.6=1.4
	b)Shortwalls	2	3.4	0.9	1.4	8.568	L=4.3-0.45-0.45=3.4
					Total	24.192	m³
2.	C.C.(1:4:8) bed for						
	foundation						
	a) Long walls	2	6.2	0.9	0.3	3.348	
	b)Shortwalls	2	3.4	0.9	0.3	1.836	5
					Total	5.184	m ³
3.	R.R.Masonry in CM						
	(1:6) for						
	a) Footings						
	i) Long walls	2 2	5.9	0.6	0.5	3.54	L=5.3+0.3+0.3=5.9
	ii) Shortwalls	2	3.7	0.6	0.5	2.22	L=4.3-0.3-0.3=3.7
					Total	5.76	m ³
	b)Basement						
	i) Long walls	2 2		0.45	5888.752	3.105	L=53+0.225+0225=5.75
	ii) Shortwalls	2	3.85	0.45	797.50	2.079	L=43-0225-0.225=3.85
					Total	5.184	m³
	Total R.R. Masonry	for fo	oting	and	Basen	ent	
	D.11	7.	= 5.	6+5.	184 =	10.94 m	3
4.	Brick masonary with	IVI					
	(1:6) for super structure	ا ا		0.20		1008	T_52:015:016-56
	a) Long Wall	2		0.30	12.00 to 10.11.		L=5.3+0.15+0.15=5.6 L=4.3-0.15-0.15=4.0
	b) Short walls	2	4.0	0.30	*	7.20	L=4.340.15-0.15=4.0 m ³
		- 8			Tot al	17.28	100

