L					
ms.			11.03	Circlinette ?	
Using centre	line me	mod,			
The second state of the second		ALL ALL STREET	E MA	1 1	
c/c =	(2.8+	4.2 + 0.3 +	0.3) x3 + ((284444+	10.3
			2	A STATE OF THE STATE OF	
Sand Cont. Street	+ (4	-4-+0-3)	d be	akmin akmin a	
	= 22.8	$+(9 \times 2) + 4$	1,7	e ace annual	
To kening the same	2. 45.5 n	n	well-	(6),5,6)	
TELEVISION OF THE PARTY OF THE	4 3	•	- S-A	(C) nel	
No.d juncti	ions = 4.	1	1	(O) Trasfattus	
Jenn El S	A STATE OF THE STATE OF		The second second		TO STATE OF THE ST
N Particulaus	length	breadh	height	quantity	emarks.
	Carried States		2	12 25 20 3	(= 45.5 - (4X
1. line concute	43.5.	1	0.3		= 43.5
in foundation					- 13 3
			0	40.41 m ³	1=45.5-(480
. Ist Brickwork in	44.9	0.3	3.	404111	= 44.9
cement worter.			7	Care Secretary	
	1				
Deductions.		A 0	0.15	2.0205m ³	1=45.5-4x(
i) lintel.	. 44.9	0.3	013.	2.0203111	= 44.9
		A . 0	2	0.6 m ³	
-i) door (D)	7	0.3	THE THE STREET		
Lii) door (Di)	0.8	0.3	2	0.48 m ³	
iv) window (w)	1.2	0.3	1.25		
			- 100	= 0.49050	n3/
	2		San Property Control	ASSESSED BY BEING	

S·N	Particulars	length	breadh	height	quantity	Remark
			The second	1000		
3.	Roofing	9.3	7.9	OH -	73.47 m ²	-
CX	2017-1118-	T CHAILE!	0 8 0 8 0 8 A	867 4 6		
4.	white washing					
	outride.	34.4	4 4 a may 12 mg	3	103.2 m2	
	deductions.		RAMPHAR	At at		
	door (D)	1	- W	2	2 m 2	
-	doer (Di)	0.8		2	1.6m2	
	windaw (W)	1.2	-	1.2	1.44m²	
			1		= 98.16m2	11
1	Warner Thursday	Same	Marcallin .	Colpres 1	Tribulate .	12.7
			STREET, S			19.
dra si	1 1808081	A STATE OF THE STA	ALPHANT.	P & 4 - 1 A	C15 15 1 1	
3					Hehrust	
	,-					776
	A Facilities		Market 198	The state of	Sanismas	
					Share Barre	
					Jan Hankal	
		erc .		P 1 1	Name of the last	
N K MASS						
131			1		de Versk	
	56346				(Carperland	
	e ve o	T- Marine			STATE OF STA	
					To make the	

0.0		The State of the S		171 be like
9.2.		The state of the s	SECTION.	
Answel				
+ Given:				
lim	e: sand: s	tone = 1:2:4	21 119 1940	S Die A State of the State of t
To	tal ratio =	1+2+4=7		
		10-3		
D	w volume	= 10x 1.54 = 1	5.4 m ³	
Volume of lime	- L XI	5.4 = 2.2 m ³		
voume of une	7			
volume of sand	- 2 x 15	.4 = 4.4 m ³		The second secon
	**			
	1 - 11 + =	4 XIS 4 = 88	m ³ .	
Volume of stone	sauast -	7	1-430	· · · · · · · · · · · · · · · · · · ·
	. 1	ayan hh.	rate	amount
Description.	unit	quanting	5.5	
A) Materials.	er ³	2.2	P 3165	6963
i) lime	The second	4.4	F WAR	468
ii) sand	m ³	8.8	Ps 770	C776
iii) stone ballast	m		L. M. Hill	
B) alian.		0.5	Ps 125	62.5
i) Head mason	day		Ps 115	115
11) Mason	day	1		
III) Mazdoor	day	20	280	1600
				Total = 16,484.5
c) cost for				
confingencies and	= 0.1.	54. of 16,484.5	= 82.422	\$
tools and plants				

Total cost = ls 16484.5 + ls 82.4225 = 2 16, 5669225. For Im3 it will cost Rs 1656.69 pane → Valuation is the method of estimating and determining the value of a property. The property here includes buildings, industries etc.

Thingh valuation we can understand if neumany vaintenance shall be carried and for profit or not. The present value of properly depends upon me income received. Thus, we can know as a civil engineer if it will be work while to construct a shuckure.

There are various types of values. Some of mem are tisted below.

Book value: It is the value of the property shavn in the account book in that parkcular year.

Amenedualue: It is the value of a property revorded in the register of a nuncipality in order to determinate amount of nuncipal taxes to be Lolleited.

Scrap value: It is the value of the dismantled naturals of the property at the end of its utility period.

Salvage value: It is me estimated value of a built rip property at me end of its uneful life without being dismanted.

Q.4. Answer -> Given: Load = 2500kg -1 Tonne = 1000kg. 2500kg = 2.5+m According to the question, Total mechanical distance = 6km - 0.075km = 5.92 Skm. Mechanical cost = Ps 106.07 + (0.925 x 7.72) = ls. 113.211 Manual transport cost = Ps 144.20 + Ps 21.16 = 2 165.36 For one hip, au cost = 8 278 571. For one hip, only me tonne can be carried, for 250 ton, it costs = Bs 278-571 X 2.5 = Rs 696.43 ans,

9.5. The different methods of calculating depreciation are explained
below:
i) Straight line memod: Heu, the property is assumed to be depriciated
at a constant amount every year.
Annual Depriciation = original cont- scrapvalue
Annual Depriciation = original cont-scrapvalue ufe in years.
ii) constant percentage memod: Her, the property is assumed to be loose
its value annually at a constant percentage of its
bookvajue
p= 1- Sc > 10 Sc → Scrap value
bookvapue b= 1- (sc)'In sc → scrap value c → original cost
not not grave
b → percentage rate of annual
depriciation, indicimal.
Barratag and Malaca i Breakly and a getting the same
iii) sinking fund method: Hun, the deprivated amount is anumed to be
annual sinking fund pure the interest of the
accumulated sinking fund hu mot year.
the state of the s
iv) quantity survey method: Her, the property's studied in detail and
extent of phyrical deterioration worked not to
calculate depositation.

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Q.7.
Answer
         Area of land = 900 sqm
         blinth area of each storey = 400 sqm (3 storey building)
         blink and rate = 150/- per sq.m
         huture life(n) = 70 years
          Net annual rent = Rs 1600 x 12 =
          Ip = 6.1. = 0.06
          i= 3./.=0.03
          Cost of land = Ps 40/-sqm
          scrap value = 10.1.
          Capitalized value of property =?
  i) Total cost of the building originally
               Total cost = 400 m2 x 3 x 150
                    = Pi1,80,000/-
      Calculating coefficient of sinking fund,
                  (1+i) ?- L
         1.0370-1
               Ic= 0.0043366
     Sinking fund required,
          I= Icxs
```

where, S= 901. of 1,80,0001- (101. scrap value). : S=R1,62,000/-.. I= Rs 702 5292 per annum. V) Net annual rent = Px 1600 x 12 = ls 19,200/ (Gross income). vi) Total outgoings. 1 - A + 4 / 4 miles a) Repair & maintenance = 10/ of gross income. =R1920/b) Municipal taxes & property tax = 201. of 19,200 = R 3840/c) Property tax = 51. of 19,200 = Rs 960/d) Insurence premium = 0.5% of 19,200 = Re 96/e) Management and collection charges a = 6.1. of Ps 19,200 = Ps 1152/f) Misce Maneres charges at 2.1. of gross income = 2.1. of ls 19,200 = Rs 384/-

sinking fund Nau, Total outgangs = Rs 8352 + Rs 702 5292 = Ps 9054.5292 vii) Calculating Year's Purchase. .. Y.P= 15.543 viii) Calculating Net income, Net income = (gross income - Total outgoings = 10,145.4708 ix) Capitalized value = Net income XXP = 10145.4708 X 15.543 = 1,57,691.0526 any