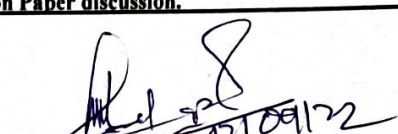


**LESSON PLAN FOR SUMMER SESSION (2022-23)**

<b>PROGRAMME : CIVIL ENGINEERING</b>			<b>NAME OF THE FACULTY: HARAPRIYA BADANAYAK</b>
<b>COURSE NAME : ESTIMATION &amp; COST EVALUATION -1</b>			<b>SESSION : 2022-23</b>
<b>COURSE CODE : TH.4</b>			<b>DATE : 15/09/22 To 22/12/22</b>
<b>SEMESTER : 3rd</b>			
<b>PERIODS/WEEK: 4</b>			
<b>TOTAL PERIODS:52</b>			
WEEK	PERIODS	UNIT	TOPICS
Sept. 3rd Week	1	1	<b>1. Introduction</b> 1.1 Types of estimates – Plinth area, floor area / carpet area
	2		1.2 Units and modes of measurements as per IS 1200
	3		1.3 Accuracy of measurement for different item of work
	4		<b>2. Quantity Estimate of Building</b>
Sept. 4th Week	1	2	2.1 Short wall long wall method and centre line method, deductions in masonry, plastering, white washing, painting etc., multiplying factor (paint coefficients) for painting of doors and windows (paneled/glazed), grills etc.
	2		
	3		
	4		
Oct. 1st Week	1		PUJA VACATION
	2		
	3		
	4		
Oct. 2nd Week	1	2	2.1 Short wall long wall method and centre line method, deductions in masonry, plastering, white washing, painting etc., multiplying factor (paint coefficients) for painting of doors and windows (paneled/glazed), grills etc.
	2		
	3		
	4		
Oct. 3rd Week	1	2	2.1 Short wall long wall method and centre line method, deductions in masonry, plastering, white washing, painting etc., multiplying factor (paint coefficients) for painting of doors and windows (paneled/glazed), grills etc.
	2		
	3		
	4		
Oct. 4th Week	1	2	2.2 Detailed estimate of single storied flat roof building with shallow foundation and RCC roof slab with leak proof treatment over it including staircase and mummy room.
	2		
	3		
	4		
Nov. 1st Week	1	3	
	2		
	3		
	4		
Nov. 2nd Week	1	3	<b>3. Analysis of Rates and Valuation</b>
	2		3.1 Analysis of rates for cement concrete, brick masonry in Cement Mortar, laterite stone masonry in Cement Mortar, cement plaster, white washing, Artificial Stone flooring, Tile flooring, concrete flooring, R.C.C. with centering and shuttering, reinforcing steel, Painting of doors and windows etc. as per OPWD.
	3		
	4		
Nov. 3rd Week	1	3	
	2		
	3		
	4		
Nov. 4th Week	1	3	3.2 Calculation of lead, lift, conveyance charges, royalty of materials, etc. as per
	2		3.3 Abstract of cost of estimate.
	3		
	4		
Dec. 1st Week	1	3	3.4 Valuation- Value and cost, scrap value, salvage value, assessed value, sinking fund, depreciation and obsolesce, methods of valuation.
	2		
	3		
	4		
Dec. 2nd Week	1	4	<b>4. Administrative Set-Up of Engineering Organisations:</b>
	2		4.1 Administrative set-up and hierarchy of Engineering department in State Govt./Central Govt./PSUs/Private Sectors etc. Duties and responsibilities of Engineers at different positions /levels.
	3		
	4		
Dec. 3rd Week	1		<b>Doubt Clearing Class</b>
	2		<b>Doubt Clearing Class</b>
	3		<b>Doubt Clearing Class</b>
	4		<b>Previous year question Paper discussion.</b>

  
 Concern faculty HOD  
 Signature Civil engineering

  
 13/9/22

  
 Academic Coordinator  
 GP Nabarangpur

  
 Principal  
 GP Nabarangpur