

<b>PROGRAMME : CIVIL ENGINEERING</b> <b>COURSE NAME : ESTIMATION &amp; COSTING -I</b> <b>COURSE CODE : TH-4</b> <b>SEMESTER : 3<sup>rd</sup></b> <b>PERIODS/WEEK: 4</b> <b>TOTAL PERIODS: 60</b>		<b>NAME OF THE FACULTY: PRIYAJIT BEHERA</b> <b>SESSION : 2020-2021</b> <b>DATE : 01-09-2020 to 19-03 2021</b>
WEEK	CLASS	TOPICS
1	1	Types of estimates –
	2	Plinth area, floor area
	3	Carpet area
	4	Units and modes of measurements as per IS 1200
2	1	Units and modes of measurements as per IS 1200
	2	Accuracy of measurement for different item of work
	3	Accuracy of measurement for different item of work
	4	Accuracy of measurement for different item of work
3	1	Short wall long wall method and centre line method
	2	Deductions in masonry
	3	Plastering
	4	White washing, painting etc
4	1	Multiplying factor (paint coefficients)
	2	For painting of doors and windows (paneled/glazed), grills etc
	3	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
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5	1	Analysis of rates for cement concrete
	2	Brick masonry in Cement Mortar
	3	Laterite stone masonry in Cement Mortar
	4	Cement plaster
6	1	White washing
	2	Artificial Stone flooring
	3	Tile flooring
	4	Concrete flooring
7	1	R.C.C. with centering and shuttering
	2	Reinforcing steel
	3	Painting of doors and windows etc. As per OPWD
	4	Calculation of lead
8	1	Calculation of lift
	2	Conveyance charges
	3	Royalty of materials, etc. As per orissa p.w.d. system (concept of c.p.w.d./railways provisions)
	4	Abstract of cost of estimate.
	1	Abstract of cost of estimate.
	2	Abstract of cost of estimate.

<b>9</b>	<b>3</b>	Abstract of cost of estimate.
	<b>4</b>	Abstract of cost of estimate.
<b>10</b>	<b>1</b>	Abstract of cost of estimate.
	<b>2</b>	Valuation- Value and cost,
	<b>3</b>	Scrap value
	<b>4</b>	Salvage value
<b>11</b>	<b>1</b>	Assessed value
	<b>2</b>	Sinking fund,
	<b>3</b>	Depreciation and obsolesce
	<b>4</b>	Methods of valuation.
<b>12</b>	<b>1</b>	Methods of valuation.
	<b>2</b>	Methods of valuation.
	<b>3</b>	Methods of valuation.
	<b>4</b>	Methods of valuation.
<b>13</b>	<b>1</b>	Administrative set-up and hierarchy of Engineering department in State Govt./Central Govt./PSUs/Private Sectors etc.
	<b>2</b>	Duties and responsibilities of Engineers at different positions /levels.
	<b>3</b>	Duties and responsibilities of Engineers at different positions /levels.
	<b>4</b>	Duties and responsibilities of Engineers at different positions /levels.
<b>14</b>	<b>1</b>	Revision of Chapter-1:
	<b>2</b>	Revision of Chapter-2
	<b>3</b>	Revision of Chapter-2:
	<b>4</b>	Revision of Chapter-2:
<b>15</b>	<b>1</b>	Revision of Chapter-3:
	<b>2</b>	Revision of Chapter-3:
	<b>3</b>	Revision of Chapter-4:
	<b>4</b>	Revision of Chapter-4: