

# BLACK DIAMOND SCHOOL OF ENGINEERING, JHARSUGUDA



## LESSON PLAN

Session-(2022-2023)-WINTER

<b>Discipline:</b> Civil Engg.	<b>Semester:</b> 3 <sup>rd</sup> , Winter 2022	<b>Name of the Teaching Faculty:</b> <b>MS. S.J.ROSY TIRKEY</b> ( Lecturer)
<b>Subject:</b> Estimation & cost evaluation practice-1 (pr-3)	<b>No. Of Days/Week:</b> 1	<b>Start Date:</b> 14/9/2022 <b>End Date:</b> 21/1/2023
<b>Week</b>	<b>Class Day</b>	<b>Theory Topics</b>
1st	1 <sup>st</sup>	Types of estimates Plinth area, floor area / carpet area Use of standard estimating forms Accuracy of measurement of work
2nd	1 <sup>st</sup>	Methods of estimating, long wall short wall method Centreline method c/s of the wall and its estimation with help of MS Excel software
3rd	1 <sup>st</sup>	Earthwork excavation in foundation ,pcc, footing,Dpc with help of MS Excel software b/w in superstructure ,plinth, plastering with help of MS Excel software
4th	1 <sup>st</sup>	One room building estimation, introduction, Earthwork excavation with help of MS Excel software
5th	1 <sup>st</sup>	Pcc, b/w in footing in foundation and plinth with help of MS Excel software B/w in superstructure
6th	1 <sup>st</sup>	Plastering in superstructure White washing, weathering coat, verandah with help of MS Excel software
7th	1 <sup>st</sup>	Two storey building ,introduction ,Slide show Earthwork excavation in foundation, Pcc,b/w in footing and plinth B/w in superstructure, plastering Deduction of member
8th	1 <sup>st</sup>	Record submission viva
9th	1 <sup>st</sup>	Residential bulding,introduction

		Earthwork excavation with help of MS Excel software
10th	1 <sup>st</sup>	Pcc ,b/w in footing and plinth with help of MS Excel software b/w in superstructure, deduction with help of MS Excel software
11th	1 <sup>st</sup>	Plastering in superstructure, deduction with help of MS Excel software White washing, color washing with help of MS Excel software
12th	1 <sup>st</sup>	Analysis of rate, introduction, Calculation of dry material with help of <b>MS Excel software</b>
13th	1 <sup>st</sup>	Calculation of dry material, For cement concrete with help of MS Excel software Brick masonry in the cement mortar with the help of MS Excel software
14th	1 <sup>st</sup>	<b>laterite stone masonry in Cement Mortar, cement plaster, white washing</b> <b>Artificial Stone flooring, concrete flooring, different R.C.C. items with the help of MS Excel software</b> Painting of doors and windows etc with help of MS Excel software
15th	1 <sup>st</sup>	<b>Sessional viva</b>