

**SYNERGY POLYTECHNIC, BBSR**

**The Lesson Plan**

Discipline: <b>CE</b>	Semester: <b>3rd</b>	Name of the Teaching Faculty: <b>Arpita Samal</b>
Subject: <b>EST - I</b>	No of Days/per week class allotted: <b>04</b>	Semester from Date: <b>15.07.22</b> to Date: <b>22.12.22</b> No of Weeks:
Week	Class Day	Theory/Practical Topics
1st	1st <b>16.09.22</b>	R.C.C with centering & shuttering
	2nd <b>17.09.22</b>	Reinforcing steel
	3rd <b>17.09.22</b>	Painting with of doors & windows as
	4th <b>19.09.22</b>	Per OPWD - Numericals .
	5th <b>23.09.22</b>	lead . lift . Conveyance charges .
2nd	1st <b>24.09.22</b>	Abstract of Cost estimate.
	2nd <b>24.09.22</b>	Scrap value , Salvage value ,
	3rd <b>26.09.22</b>	Assessed value , sinking fund
	4th <b>20.09.22</b>	Depreciation & obsolesce , methods
	5th <b>1.10.22</b>	Administrative Set-up of Engg. organis <sup>n</sup> .
3rd	1st <b>1.10.22</b>	Hierarchy of Engg. dept. in state govt ,
	2nd <b>8.10.22</b>	Central Govt. , PSUs , Private Sectors etc
	3rd <b>8.10.22</b>	Duties & Responsibilities of Engg.
	4th <b>10.10.22</b>	- same -
	5th <b>14.10.22</b>	- do -
4th	1st <b>15.10.22</b>	Numerical Practice (Detailed Estimate)
	2nd <b>15.10.22</b>	- do -
	3rd <b>17.10.22</b>	- do -
	4th <b>21.10.22</b>	- do -
	5th <b>22.10.22</b>	- do -
5th	1st <b>22.10.22</b>	Numerical Practice (Analysis of Rate)
	2nd <b>25.10.22</b>	- do -
	3rd <b>25.10.22</b>	- do -
	4th <b>29.10.22</b>	Important Questions for Semester .
	5th <b>29.10.22</b>	- do -

**Arpita Samal**  
Sign of Faculty

**H. H. H.**  
HOD

**A. Samal**  
Principal

SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

Discipline: <b>CIVIL ENGG.</b>	Semester: <b>3rd</b>	Name of the Teaching Faculty: <b>Aspita Samal</b>
Subject: <b>EST - 1</b>	No of Days/per week class allotted: <b>04</b>	Semester from Date: <b>15.09.22</b> to Date: <b>22.12.22</b> No of Weeks:
Week	Class Day	Theory/Practical Topics
1st	1st <b>31.10.22</b>	<b>Introduction</b> : Types of estimates - Plinth
	2nd <b>4.11.22</b>	area, Floor area, Carpet area, Units
	3rd <b>5.11.22</b>	Accuracy of measurement for diff. items
	4th <b>5.11.22</b>	<b>Quantity Estimate of Building</b>
	5th <b>7.11.22</b>	SW-LW method - Numericals
2nd	1st <b>11.11.22</b>	Centre line method - Numericals
	2nd <b>12.11.22</b>	Deductions in masonry, plastering, white
	3rd <b>12.11.22</b>	washing, Painting, multiplying factor
	4th <b>14.11.22</b>	Detailed estimate of single storied building
	5th <b>18.11.22</b>	R.C.C. roof slab with leak proof treatment
3rd	1st <b>19.11.22</b>	Numerical Practice
	2nd <b>19.11.22</b>	Numerical Practice
	3rd <b>21.11.22</b>	Numerical Practice
	4th <b>25.11.22</b>	Numerical Practice
	5th <b>26.11.22</b>	Doubt clearing class
4th	1st <b>26.11.22</b>	<b>Analysis of Rates &amp; valuation - Intro.</b>
	2nd <b>28.11.22</b>	for Cement concrete.
	3rd <b>2.12.22</b>	for brick masonry in cement mortar
	4th <b>3.12.22</b>	Numerical Practice.
	5th <b>5.12.22</b>	laterite stone masonry in cement mortar
5th	1st <b>9.12.22</b>	Cement plaster, white washing
	2nd <b>10.12.22</b>	Stone flooring, tile & concrete flooring
	3rd <b>12.12.22</b>	Numerical
	4th <b>16.12.22</b>	Numerical
	5th <b>17.12.22</b>	Doubt clearing class

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