

**Ch. Ranbir Singh State Institute Of Engineering & Technology, Jhajjar (Hr.)**

**Lecture Plan (Session – July – Dec 2020)**

Name of the Faculty- SUVIDHA

Deptt.-CIVIL ENGG

Subject –ESTIMATING & COSTING

Subject Code-CE-405-F

S No.	Lecture No.	Topics Covered	Date	Remarks
1	1	Principle of estimation ,units		
2	2	item work ,different kinds of estimates		
3	3	different methods of estimation ,estimation of materials in single room building		
4	4	two room building , multi storey buildings		
5	5	with different sections of walls ,foundation		
6	6	floors and roofs ,R.B and R.C.C works ,Plastering		
7	7	white washing ,Distempering and painting		
8	8	doors and windows ,lump sum items		
9	9	Estimates of canals		
10	10	dams ,barrages,Hilly roads etc		
11	11	Necessity of specification types of specification, general specification		
12	12	specification of bricks ,cement ,sand ,water		
13	13	lime, reinforcement: detailed specification for earthwork		
14	14	cement, concrete ,brickwork, flooring		
15	15	D.P.C,R.C.C ,cement plastering ,white and colour washing		
16	16	distempering ,painting		
17	17	Purpose, importance and requirements of rate analysis		
18	18	units of measurement preparation of rate analysis		
19	19	procedure of rate analysis for items: Earth work ,concrete works		
20	20	R.C.C works ,reinforce brick work ,plastering ,painting ,		
21	21	finishing (white washing ,distempering)		
22	22	Tender and acceptance of tender ,Ernst money		

<b>23</b>	<b>23</b>	security money ,retention money ,measurement book ,cash book		
<b>24</b>	<b>24</b>	preparation ,examination and payment of bills, first and final bills		
<b>25</b>	<b>25</b>	administrative sanction ,technical sanction.Billing – maintenance of muster ROLL, preparation of pay bill		
<b>26</b>	<b>26</b>	measurement of work for payment of contractors, different types of payment –first &final		
<b>27</b>	<b>27</b>	running advance and final payment ,Valuation Purpose of valuation,		
<b>28</b>	<b>28</b>	principles of valuation depreciation		
<b>29</b>	<b>29</b>	sinking fund		
<b>30</b>	<b>30</b>	salvage &scrapvalue		
<b>31</b>	<b>31</b>	valuation of a building –cost method		
<b>32</b>	<b>32</b>	rental –return method .		
<b>33</b>	<b>33</b>	different types of payment –first &final		
<b>34</b>	<b>34</b>	Purpose of valuation		
<b>35</b>	<b>35</b>	numericals		

**Signature:**

**Date:**