

LESSON PLAN OF 3RD SEMESTER CIVIL ENGINEERING (2023-24)

| Discipline :- CIVIL | Semester:-3 RD | Name of the Teaching Faculty SANDIP SAMANTARAY |
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| Subject:- Estimating and cost evaluation-I | No of Days/per Week Class Allotted :-04 | Semester From:- <u>1st August,2023</u> To:- <u>30th November, 2023</u> No of Weeks:- 18 |
| Week | Class Day | Theory/ Practical Topics |
| 1 st | 1 st | Introduction Types of estimates – Plinth area, floor area / carpet area |
| | 2 nd | Units and modes of measurements as per IS 1200 Accuracy of measurement for different item of work |
| | 3 rd | Quantity estimate of building Short wall long wall method and centre line method |
| | 4 th | Problems |
| 2 nd | 1 st | Deductions in masonry, |
| | 2 nd | Problems |
| | 3 rd | Plastering, |
| | 4 th | Problems |
| 3 rd | 1 st | white washing, |
| | 2 nd | Problems |
| | 3 rd | painting etc., multiplying factor |
| | 4 th | Problems |
| 4 th | 1 st | Painting |
| | 2 nd | Painting of doors and windows (paneled/glazed), grills etc. as per OPWD scheduled of rates. |
| | 3 rd | Problems |
| | 4 th | Problems |
| 5 th | 1 st | Problems |
| | 2 nd | Problems |
| | 3 rd | Detailed estimate of single storied flat roof building with shallow foundation and |
| | 4 th | Problems |
| 6 th | 1 st | Problems |
| | 2 nd | RCC roof slab with leak proof treatment over it including |
| | 3 rd | Problems |
| | 4 th | Problems |
| 7 th | 1 st | Detailed estimate of a simple inclined roof building with gabled / hipped roof |
| | 2 nd | Problems |
| | 3 rd | Problems |
| | 4 th | A.C. sheet / G.C.I. sheet roofing. |
| 8 th | 1 st | Problems |
| | 2 nd | Problems |
| | 3 rd | Problems |
| | 4 th | Analysis of rates as per opwd specifications / standards Analysis of rates for cement concrete |
| 9 th | 1 st | Problems |
| | 2 nd | Problems |
| | 3 rd | Problems |
| | 4 th | brick masonry in Cement Mortar |
| 10 th | 1 st | Problems |

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| 11 th | 2 nd | Laterite stone masonry in Cement Mortar , |
| | 3 rd | Problems |
| | 4 th | Problems |
| | 1 st | cement plaster |
| 12 th | 2 nd | Problems |
| | 3 rd | white washing ,Artificial Stone flooring, |
| | 4 th | Problems |
| | 1 st | concrete flooring, |
| 13 th | 2 nd | Problems |
| | 3 rd | R.C.C. with centering and shuttering, reinforcing steel, |
| | 4 th | Problems |
| | 1 st | Painting of doors and windows etc |
| 14 th | 2 nd | Problems |
| | 3 rd | Calculation of lead, lift, conveyance charges, royalty of materials, etc. as per Orissa P.W.D. system |
| | 4 th | Abstract of cost of estimate. |
| | 1 st | Administrative set-up of engineering organisations |
| 15 th | 2 nd | Administrative set-up and hierarchy of Engineering Deptt. Duties of responsibilities of Engineers at different positions /levels |
| | 3 rd | Doubt clearing classes |
| | 4 th | PREVIOUS YEAR QUESTION DISCUSSION |
| | 1 st | PREVIOUS YEAR QUESTION DISCUSSION |
| 16 th | 2 nd | PREVIOUS YEAR QUESTION DISCUSSION |
| | 3 rd | PREVIOUS YEAR QUESTION DISCUSSION |
| | 4 th | PREVIOUS YEAR QUESTION DISCUSSION |
| | 1 st | PREVIOUS YEAR QUESTION DISCUSSION |
| 17 th | 2 nd | PREVIOUS YEAR QUESTION DISCUSSION |
| | 3 rd | PREVIOUS YEAR QUESTION DISCUSSION |
| | 4 th | PREVIOUS YEAR QUESTION DISCUSSION |
| | 1 st | REVISION |
| 18 th | 2 nd | REVISION |
| | 3 rd | REVISION |
| | 4 th | REVISION |
| | 1 st | REVISION |
| 18 th | 2 nd | REVISION |
| | 3 rd | REVISION |
| | 4 th | REVISION |
| | 1 st | REVISION |