



GANDHI SCHOOL OF ENGINEERING

BHABANDHA, BERHAMPUR

BRANCH- CIVIL ENGINEERING

SEMESTER-3RD

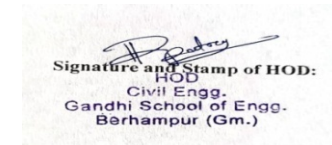
SUBJECT- Th4. ESTIMATING - I

NAME OF THE FACULTY- ER. ALOKA RANJAN SAHU

| | | Topic to be taken | | | | Actual topic taken | | |
|--------|---------------|-------------------|--|-------------------------|-------------------|--|--------------------------|---------|
| Sl. No | Topic/ Module | No. of period | Details of the topics | Date | Topic No. | Topic Name | Date | Remarks |
| 1 | Introduction | 2 | 1.1 Types of estimates – Plinth area, floor area / carpet area 1.2 Units and modes of measurements as per IS 1200 1.3 Accuracy of measurement for different item of work | 01.08.2023 - 02.08.2023 | 1.1 1.2 1.3 | Types of estimates – Plinth area, floor area / carpet area Units and modes of measurements as per IS 1200 Accuracy of measurement for different item of work | 01.08.2023 02.08.2023 | |

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|---|-------------------------------|----|---|-------------------------|---|--|--|
| 2 | Quantity Estimate of Building | 30 | <p>2.1 Short wall long wall method and centre line method, deductions in masonry, plastering, white washing, painting etc., multiplying factor (paint coefficients) for painting of doors and windows (paneled/glazed), grills etc.</p> <p>2.2 Detailed estimate of single storied flat roof building with shallow foundation and RCC roof slab with leak proof treatment over it including staircase and mumty room.</p> | 04.08.2023 - 09.10.2023 | <p>2.1 Short wall long wall method and centre line method, deductions in masonry, plastering, white washing, painting etc., multiplying factor (paint coefficients) for painting of doors and windows (paneled/glazed), grills etc.</p> <p>2.2 Detailed estimate of single storied flat roof building with shallow foundation and RCC roof slab with leak proof treatment over it including staircase and mumty room.</p> | 04.08.2023 07.08.2023 08.08.2023 09.08.2023 11.08.2023 14.08.2023 16.08.2023 18.08.2023 21.08.2023 22.08.2023 23.08.2023 25.08.2023 28.08.2023 29.08.2023 01.09.2023 04.09.2023 08.09.2023 11.09.2023 12.09.2023 13.09.2023 15.09.2023 22.09.2023 25.09.2023 26.09.2023 27.09.2023 29.09.2023 03.10.2023 04.10.2023 | |
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| 3 | Analysis of Rates and Valuation | 22 | <p>3.1 Analysis of rates for cement concrete, brick masonry in Cement Mortar, laterite stone masonry in Cement Mortar, cement plaster, white washing, Artificial Stone flooring, Tile flooring, concrete flooring, R.C.C. with centering and shuttering, reinforcing steel, Painting of doors and windows etc. as per OPWD.</p> <p>3.2 Calculation of lead, lift, conveyance charges, royalty of materials, etc. as per Orissa P.W.D. system (Concept of C.P.W.D./Railways provisions)</p> <p>3.3 Abstract of cost of estimate.</p> <p>3.4 Valuation- Value and cost, scrap value, salvage value, assessed value, sinking fund, depreciation and obsolesce, methods of valuation.</p> | 10.10.2023 - 01.12.2023 | <p>3.1 Analysis of rates for cement concrete, brick masonry in Cement Mortar, laterite stone masonry in Cement Mortar, cement plaster, white washing, Artificial Stone flooring, Tile flooring, concrete flooring, R.C.C. with centering and shuttering, reinforcing steel, Painting of doors and windows etc. as per OPWD.</p> <p>3.2 Calculation of lead, lift, conveyance charges, royalty of materials, etc. as per Orissa P.W.D. system (Concept of C.P.W.D./Railways provisions)</p> <p>3.3 Abstract of cost of estimate.</p> <p>3.4 Valuation- Value and cost, scrap value, salvage value, assessed value, sinking fund, depreciation and obsolesce, methods of valuation.</p> | <p>10.10.2023</p> <p>11.10.2023</p> <p>13.10.2023</p> <p>16.10.2023</p> <p>17.10.2023</p> <p>18.10.2023</p> <p>31.10.2023</p> <p>01.11.2023</p> <p>03.11.2023</p> <p>06.11.2023</p> <p>07.11.2023</p> <p>08.11.2023</p> <p>10.11.2023</p> <p>15.11.2023</p> <p>17.11.2023</p> <p>20.11.2023</p> <p>21.11.2023</p> <p>22.11.2023</p> <p>24.11.2023</p> <p>28.11.2023</p> <p>29.11.2023</p> <p>01.12.2023</p> | |
| 4 | Administrative Set-Up of Engineering Organisations: | 4 | 4.1 Administrative set-up and hierarchy of Engineering department in State Govt./Central Govt./PSUs/Private Sectors etc. Duties and responsibilities of Engineers at different positions /levels. | 04.12.2023 - 11.12.2023 | 4.1 Administrative set-up and hierarchy of Engineering department in State Govt./Central Govt./PSUs/Private Sectors etc. Duties and responsibilities of Engineers at different positions /levels. | <p>04.12.2023</p> <p>06.12.2023</p> <p>08.12.2023</p> | |



Signature & Stamp of HOD