

BALASORE SCHOOL OF ENGINEERING, BALASORE
LESSON PLAN FOR 3rd SEMESTER SEMESTER

SESSION -2022/23

| BRANCH-CIVIL ENGINEERING | | | | | SEMESTER:3TH | |
|---|----------|---------|----------|--|--|--------------------------------------|
| SUBJECT- ESTIMATION AND COST EVALUATION-1 | | | | | THEORY-04 | |
| NAME OF TEACHER_ TANMAYEE BEHERA | | | | | | |
| SL. No. | CH. NO. | MONTH | DATE | TOPICS TO BE COVERED | NO. OF PERIOD AVAILABLE AS PER SYLLABOUS | NO. OF PERIODS AVAILABLE AS PER PLAN |
| 01 | 01 | SEPT | 19/9/22 | 1.1:Types of estimates – Plinth area, floor area / carpet area | 02 | 04 |
| 02 | | | 21/9/22 | 1.2:Units and modes of measurements as per IS 1200 | | |
| 03 | | | 22/9/22 | CONTINUE | | |
| 04 | | | 24/9/22 | 1.3:Accuracy of measurement for different item of work | | |
| 05 | 02 | | 26/9/22 | 2.1:Short wall long wall method and center line method | 30 | 16 |
| 06 | | | 28/9/22 | PROBLEM | | |
| 07 | | | 29/9/22 | CONTINUE | | |
| 08 | | OCT | 1/10/22 | Deductions in masonry, plastering, white washing, painting etc., multiplying factor (paint-coefficients)for painting of doors and windows (paneled/glazed), grills etc. | | |
| 09 | | | 10/10/22 | PROBLEM | | |
| 10 | | | 12/10/22 | PROBLEM | | |
| 11 | | | 13/10/22 | 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 andmumty room. | | |
| 12 | | | 15/10/22 | PROBLEM | | |
| 13 | | | 17/10/22 | PROBLEM | | |
| 14 | | | 19/10/22 | PROBLEM | | |
| 15 | | | 20/10/22 | PROBLEM | | |
| 16 | | | 22/10/22 | PROBLEM | | |
| 17 | | | 24/10/22 | PROBLEM | | |
| 18 | | | 26/10/22 | PROBLEM | | |
| 19 | | | 27/10/22 | PROBLEM | | |
| 20 | 29/10/22 | PROBLEM | | | | |

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| 21 | CH:3 | NOV | 2/11/22 | 3.1 Analysis of rates for cement concrete, , | 22 | 18 | | | | |
| 22 | | | 3/11/22 | , brick masonry In Cement Mortar, | | | | | | |
| 23 | | | 5/11/22 | laterite stone masonry In Cement Mortar | | | | | | |
| 24 | | | 7/11/22 | white washing, Artificial Stone flooring, Tile flooring | | | | | | |
| 25 | | | 9/11/22 | cement plaster, | | | | | | |
| 26 | | | 10/11/22 | concrete flooring, | | | | | | |
| 27 | | | 12/11/22 | R.C.C. with centering and shuttering, reinforcing steel, Painting of doors and windows etc. as per OPWD. | | | | | | |
| 28 | | | 21/11/22 | PROBLEM | | | | | | |
| 29 | | | 23/11/22 | 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)concrete flooring, R.C.C. with centering and shuttering, reinforcing steel, Painting of doors and windows etc. as per OPWD., | | | | | | |
| 30 | | | 24/11/22 | CONTINUE | | | | | | |
| 31 | | | 26/11/22 | 3.3 Abstract of cost of estimate | | | | | | |
| 32 | | | 28/11/22 | problem | | | | | | |
| 33 | | | 30/11/22 | problem | | | | | | |
| 34 | | | DEC | 1/12/22 | | | PROBLEM | | | |
| 35 | | | | 3/12/22 | | | 3.4 Valuation- Value and cost, scrap value, salvage value, assessed value | | | |
| 36 | | | | 5/12/22 | | | CONTINUE | | | |
| 37 | | | | 7/12/22 | | | sinking fund, depreciation and obsolesce, methods of valuation. | | | |
| 38 | | | | 8/12/22 | | | CONTINUE | | | |
| 39 | | | | CH.4 | | | 10/12/22 | 4.1 Administrative set-up and hierarchy of Engineering department in State Govt./Central Govt. /PSUs/Private Sectors etc. | 04 | 04 |
| 40 | | | | | | | 12/12/22 | CONTINUE | | |
| 41 | | | | | | | 14/12/22 | CONTINUE | | |

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| 42 | | 15/12/22 | Duties and responsibilities of Engineers at different positions /levels. | | |
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Brief Summary of the Plan

| S/no | Month | Units/Chapter To be Covered | Percentage of Coverage |
|------|-------|-----------------------------|------------------------|
| 1 | SEPT | CH.1 | 15 |
| 2 | OCT | CH.2, CH.3 | 40 |
| 3 | NOV | CH. 3.3, 3.4 | 30 |
| 4 | DEC | CH.4 | 15 |

Signature of the ~~Faculty~~
Principal

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13/9/22

Signature of the

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13.9.22