ENGINEERING, CUTTACK

DEPARTMENT OF CIVIL ENGINEERING



LESSON PLAN

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| SUBJECT: ESTIMATING & COST EVALUATION- II (TH 5) | ACCADEMIC SESSION: 2021-22 |
| FACULTY: SRI ABINASH PANDA | SEMESTER: 5TH |
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| H O D (Civil Engg.) |

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| **Descipline**  Civil engineering | **Semester- 5th** | | NAME OF THE TEACHING FACULTY  ABINASH PANDA |
| Subject  ESTIMATION & COST EVALUATION-2 | **No of Days / per week class allotted :04 period per week**  Tuesday-2p,wedness -1p, Saturday-1p | | **Semester starts from date -01/10/2021 to date 08/01/2022**  **No of weeks : 13 weeks** |
| **Week** | **Date** | **No of period available** | **Topics to be covered** |
| 1ST | 05/10/2021 | 2 | **1.0.Detailed estimate of culverts and bridges**  **Detailed estimate of culverts and bridges**  1.1DetailedestimateofaRCCslabculvertwithrightangledwingwalls |
| 07/10/2021 | 1 | 1.1.DetailedestimateofaRCCslabculvertwithrightangledwingwalls |
| 2ND | 21/10/2021 | 1 | **1.1.**DetailedestimateofaRCCslabculvertwithrightangledwingwalls |
| 23/10/2021 | 1 | 1.1.DetailedestimateofaRCCslabculvertwithrightangledwingwalls |
| 3RD | 26/10/2021 | 2 | 1.1.bar bendingschedule. |
| 28/10/2021 | 1 | 1.2. RCC Hume pipe culvert with splayed angled wingwall |
| 30/10/2021 | 1 | 1.2. RCC Hume pipe culvert with splayed angled wingwall |
| 4TH | 02/11/2021 | 2 | MONTHLY CLASS TEST |
| 03/11/2021 | 1 | **2.0.Estimate of irrigation structures**  2.1. Detailed estimate of simple type of vertical fall to givenspecification |
| 06/11/2021 | 1 | 2.1. Detailed estimate of simple type of vertical fall to givenspecification |
| 5TH | 09/11/2021 | 2 | **2.1.** . Detailed estimate of simple type of vertical fall to givenspecification |
| 10/11/2021 | 1 | **2.2.** Detailed estimate of drainage siphon to givenspecification. |
| 13/11/2021 | 1 | **2.2.** Detailed estimate of drainage siphon to givenspecification. |
| 6TH | 16/11/2021 | 2 | **2.2. .** Detailed estimate of drainage siphon to givenspecification |
| 17/11/2021 | 1 | **3.0 Detailed estimate of roads**  3.1. Detail estimate of a water bound macadamroad |
| 20/11/2021 | 1 | 3.1.Detail estimate of a water bound macadamroad |
| 7TH | 23/11/2021 | 2 | **3.2.** Detailed estimate of a flexible pavement in cutting /filling |
| 24/11/2021 | 1 | **3.2** Detailed estimate of a flexible pavement in cutting /filling |
| 27/11/2021 | 1 | **Monthly test** |
| 8TH | 01/12/2021 | 2 | **INTERNAL ACCESSMENT** |
| 04/12/2021 | 1 | **3.2** Detailed estimate of a flexible pavement in cutting /filling |
| 9TH | 07/12/2021 | 2 | 3.3.Detailed estimate of septic tank and soak pit for 50 users |
| 08/12/2021 | 1 | **4.0.Miscellaneous estimates**  4.1 Tube well |
| 11/12/2021 | 1 | 4.1. Piles and Pile cap, Isolated and combined footings |
| 1OTH | 14/12/2021 | 2 | 4.1. . Piles and Pile cap, Isolated and combined footings  **5.0. PWD Accounts works**  **5.1.** Works |
| 15/12/2021 | 1 | 5.1.1. Classification of work-original, major, petty, repair work, annual repair, special repair, quadrantalrepair. |
| 18/12/2021 | 1 | 5.1.1. Classification of work-original, major, petty, repair work, annual repair, special repair, quadrantalrepair. |
| 11TH | 21/12/2021 | 2 | 5.1.2.Concept of Method of execution of works through the contractors and department, contract and agreement, work order, types of contract, piece work agreement. |
| 22/12/2021 | 1 | * 1. Accounts of works–      1. Explanation of variousterms   Administrative approval, technical sanction, tender, preparation of notice inviting tender, quotations, earnest money, E-tendering, security deposit |
| 12TH | 28/12/2021 | 2 | advance payment, intermediate payment, final payment, running bill, final bill, regular and temporary establishment, cash, major & subhead of account, temporary advance (imprest money),supervision charges, suspense account, debit, credit, book transfer, voucher and related accounts.  5.2.2.Measurement book use &maintenance, procedure of marking entries of measurement of work and supply of materials, labour employed, standard measurement books and commonirregularity |
| 29/12/2021 | 1 | MONTHLY TEST |
| 13TH | 04/01/2022 | 2 | 5.2.3.Musterroll:Itspreparation&useformakingpaymentofpay&wages  5.2.4.AcquittanceRoll:Itspreparation&useformakingpaymentofpay&wages  5.2.5.Labour &labour report, method of labour payment, use of forms and necessity ofSubmission  5.2.6.Classification of stores, receipt / issue statement on standard form, method of preparation of stock account, preparation and submission of returns, verification of stocks, shortage andexcess  5.3 Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc. |
| 05/01/2022 | 1 | CLASS TEST |
| 08/01/2022 | 1 | REVISSION |