

# LESSON PLAN

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|--|-------------------------------------|
| <b>Name of the Institute :</b>         | C.V. Raman Polytechnic, BHUBANESWAR |
| <b>Department :</b>                    | CIVIL ENGINEERING                   |
| <b>Semester/Division/Branch :</b>      | 5th Sem.                            |
| <b>Subject Name with code :</b>        | ECE-II/ Th5                         |
| <b>Total No. of Class (Required) :</b> | 60                                  |
| <b>Faculty Name :</b>                  | SAFALYA MOHANTY                     |

| Class No. | Brief Description of the Topic/Chapter to be taught  | Remarks |
|-----------|--|---------|
| 1         | <b>Detailed estimate of culverts and bridges:</b> Detailed estimate of a simple Hume pipe culvert with right angled wing walls |         |
| 2         | .....DO.....   |         |
| 3         | .....DO.....   |         |
| 4         | .....DO.....   |         |
| 5         | .....DO.....   |         |
| 6         | .....DO.....   |         |
| 7         | RCC Hume pipe culvert with splayed angled wing wall  |         |
| 8         | .....DO.....   |         |
| 9         | .....DO.....   |         |
| 10        | .....DO.....   |         |
| 11        | .....DO.....   |         |
| 12        | .....DO.....   |         |
| 13        | Estimate of irrigation structures:Detailed estimate of simple type of vertical fall to given specification                     |         |
| 14        | .....DO.....   |         |
| 15        | .....DO.....   |         |
| 16        | .....DO.....   |         |
| 17        | .....DO.....   |         |
| 18        | .....DO.....   |         |
| 19        | .....DO.....   |         |
| 20        | Detailed estimate of drainage siphon to given specification.   |         |
| 21        | .....DO.....   |         |
| 22        | .....DO.....   |         |
| 23        | .....DO.....   |         |
| 24        | .....DO.....   |         |
| 25        | .....DO.....   |         |
| 26        | .....DO.....   |         |
| 27        | Detailed estimate of roads:Detail estimate of a water bound macadam road   |         |
| 28        | .....DO.....   |         |
| 29        | .....DO.....   |         |
| 30        | .....DO.....   |         |
| 31        | Detailed estimate of a flexible pavement in cutting / filling  |         |
| 32        | .....DO.....   |         |
| 33        | .....DO.....   |         |

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| 34 | .....DO.....   |  |
| 35 | Detailed estimate of septic tank and soak pit for 50 users   |  |
| 36 | .....DO.....   |  |
| 37 | .....DO.....   |  |
| 38 | .....DO.....   |  |
| 39 | Miscellaneous estimates:Tube well, Piles and Pile cap, Isolated and combined footings.   |  |
| 40 | .....DO.....   |  |
| 41 | .....DO.....   |  |
| 42 | .....DO.....   |  |
| 43 | .....DO.....   |  |
| 44 | .....DO.....   |  |
| 45 | .....DO.....   |  |
| 46 | .....DO.....   |  |
| 47 | .....DO.....   |  |
| 48 | .....DO.....   |  |
| 49 | .....DO.....   |  |
| 50 | .....DO.....   |  |
| 51 | PWD accounts works: Works, Classification of work-original, major, petty, repair work, annual repair, special repair, quadrantal repair,Method of execution of works through the contractors, departmentally, contract and agreement, work order, item rate contract, lump sum contract, labour contract and daily labour, piece work agreement, scheduled contract, cost plus percentage contract   |  |
| 52 | .....DO.....   |  |
| 53 | .....DO.....   |  |
| 54 | Accounts of works: Explanation of various terms<br>Administrative approval, technical sanction, contingency budget, tender, preparation of notice inviting tender, receiving of quotations, earnest money, security deposit, advance payment, on account payment, intermediate payment, final payment, running bill, final, regular and temporary establishment, cash, major & subhead of account, temporary advance, issue rate, storage, supervision charges, suspense account, debit, credit, book transfer, voucher and related accounts . |  |
| 55 | .....DO.....   |  |
| 56 | .....DO.....   |  |
| 57 | Measurement book use & maintenance, procedure of marking entries of measurement of work and supply of materials, labour employed, standard measurement books and common, irregularity,Master roll : Its preparation & use for making payment of pay & wages  |  |
| 58 | .....DO.....   |  |
| 59 | AcquittanceRoll : Its preparation & use for making payment of pay & wages, Labour & labour report, method of labour payment, use of forms and necessity of submission.   |  |
| 60 | Classification of stores, receipt / issue statement on standard form, method of preparation of stock account, preparation and submission of returns, verification of stocks, shortage and excess.  |  |

**Signature of the Faculty**

**Signature of the H.O.D**