**MAHAMAYA INSTITUTE OF MEDICAL AND TECHNICAL SCIENCE,**

**NUAPADA**

**LESSION PLAN FOR THE SESSION 2022-2023**

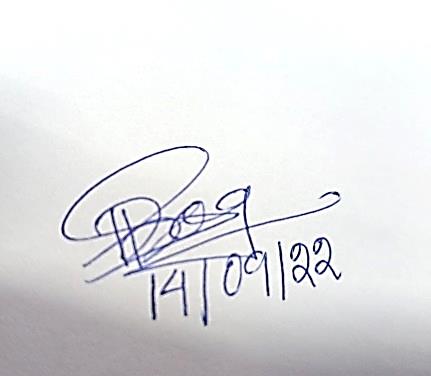
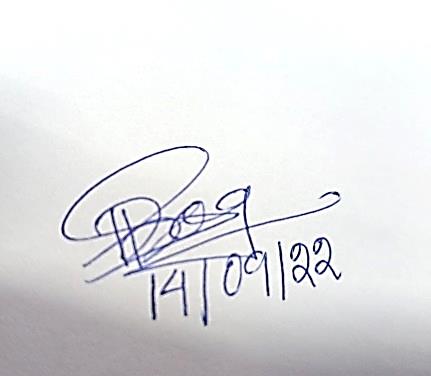
Branch: **CIVIL ENGINEERING**

Semester: **5TH SEM**

Subject: **ESTIMATION AND COST EVALUATION-II**

Name of the Faculty: **ER. SUPRAVA BAG**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Class No.** | **No. OF CHAPTER** | **Topics to be Covered** | **Remarks** | |
| 1 | Chapter-1 | 1.1Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule. |  | |
| 2 |  | contd. |  | |
| 3 |  | contd. |  | |
| 4 |  | contd. |  | |
| 5 |  | contd. |  | |
| 6 |  | contd. |  | |
| 7 |  | contd. |  | |
| 8 |  | 1.2RCC Hume pipe culvert with splayed angled wing wall |  | |
| 9 |  | contd. |  | |
| 10 |  | contd. |  | |
| 11 |  | contd. |  | |
| 12 |  | contd. |  | |
| 13 | Chapter-2 | 2.1Detailed estimate of simple type of vertical fall to given specification |  | |
| 14 |  | contd. |  | |
| 15 |  | contd. |  | |
| 16 |  | contd. |  | |
| 17 |  | contd. |  | |
| 18 |  | contd. |  | |
| 19 |  | 2.2Detailed estimate of drainage siphon to given specification. |  | |
| 20 |  | contd. |  | |
| 21 |  | contd. |  | |
| 22 |  | contd. |  | |
| 23 |  | contd. |  | |
| 24 |  | contd. |  | |
| 25 |  | contd. |  | |
| 26 |  | contd. |  | |
| 27 |  | contd. |  | |
| 28 | Chapter-3 | 3.1Detail estimate of a water bound macadam road |  | |
| 29 |  | contd. |  | |
| 30 |  | contd. |  | |
| 31 |  | contd. |  | |
| 32 |  | 3.2Detailed estimate of a flexible pavement in cutting / filling |  |
| 30 |  | contd. |  |
| 31 |  | contd. |  |
| 32 |  | contd. |  |
| 33 |  | 3.2Detailed estimate of septic tank and soak pit for 50 users |  |
| 34 |  | contd. |  |
| 35 |  | contd. |  |
| 36 |  | contd. |  |
| 37 | Chapter-4 | 4.1 Tube well, |  |
| 38 |  | contd. |  |
| 39 |  | contd. |  |
| 40 |  | contd. |  |
| 41 |  | contd. |  |
| 42 |  | Piles and Pile cap |  |
| 43 |  | contd. |  |
| 44 |  | contd. |  |
| 45 |  | contd. |  |
| 46 |  | Isolated and combined footings. |  |
| 47 |  | contd. |  |
| 48 |  | contd. |  |
| 49 | Chapter-5 | 5.1 Works 5.1.1 Classification of work-original, major, petty, repair work, annual repair, special repair, quadrantal repair. |  |
| 50 |  | 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. |  |
| 51 |  | 5.2 Accounts of works – 5.2.1 Explanation of various terms Administrative approval, technical sanction, tender, preparation of notice inviting tender, quotations, earnest money, E-tendering, security deposit |  |
| 52 |  | 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 . |  |
| 53 |  | 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 common irregularity |  |
| 54 |  | 5.2.3 Muster roll : Its preparation & use for making payment of pay & wages 5.2.4 Acquittance Roll : Its preparation & use for making payment of pay & wages 5.2.5 Labour & labour report, method of labour payment, use of forms and necessity of Submission |  |
| 55 |  | 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 and excess |  |
| 56 |  | 5.3 Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc. |  |
| 57 |  | contd. |  |
| 58 |  | contd. |  |

Signature of faculty member counter signature of HOD