

LESSON PLAN (SUMMER- 2023)

Subject- EIE Semester- 6th SEC-E2 Branch- Electrical Engineering

NAME OF FACULTY-LIPSARANI BAGH

WEEK NO	WEEK	NO OF CLASSES AVAILABLE	TOPICS TO BE COVERED
1	15-02-2023 TO 18-03-2023	4	1.1 Definitions, Ampere, Apparatus, Accessible, Bare, cable, circuit, circuit breaker, conductor voltage (low, medium, high, EH), live, dead, cut-out, conduit, system, danger, Installation, earthing system, span, volt, switch gear, etc.
2	20-02-2023 TO 25-02-2023	5	1.2 General safety precautions, rule 29, 30, 31, 32, 33, 34, 35, 36, 40, 41, 43, 44, 45, Cont..... 1.3 General conditions relating to supply and use of energy : rule 47, 48, 49, 50, 51, 1.4 OH lines : Rule 74, 75, 76, 77, 78, 79, 80, 86, 87, 88, 89, 90, 91
3	27-02-2023 TO 04-03-2023	5	ELECTRICAL INSTALLATIONS 2. 1 Electrical installations, domestics, industrial, Wiring System, Internal distribution of Electrical Energy Methods of wiring, systems of wiring, wire and cable, conductor materials used in cables, insulating materials mechanical
4	06-03-2023 TO 11-03-2023	3	determination of size of fuse – wire, fuse units. Earthing conductor, earthing, IS specifications regarding earthing of electrical installations, points to be earthed. Determination of size of earth wire and earth plate for domestic and industrial installations.
5	13-03-2023 TO 18-03-2023	5	2.3 LIGHTING SCHEME: Aspects of good lighting services. Types of lighting schemes, design of lighting schemes factory lighting, public lighting installations, street lighting, general rules for wiring, determination of number of points (light, fan, socket, outlets), determination of total load, determination of Number of sub-circuits.
6	20-03-2023 TO 25-03-2023	5	SOLVE NUMERICALS INTERNAL WIRING 3. 2 Prepare one estimate of materials required for CTS wiring for small domestic installation of one room and one verandah within 25 m2 with given light, fan & plug points. Cont.....
7	27-03-2023 TO 31-03-2023	3	3. 4 Prepare one estimate of materials required for concealed wiring for domestic installation of two rooms and one latrine, bath, kitchen & verandah within 80m2 with given light, fan & plug points 3. 5 Prepare one estimate of materials required for erection of conduct wiring to a small workshop installation about 30m2 and load within 10 KW. Cont.....
8	03-04-2023 TO 08-04-2023	5	SOLVE NUMERICALS OVER HEAD INSTALLATION 4.1. Main components of overhead lines, line supports, factors Governing Height of pole, conductor materials, Cont..... determination of size of conductor for overhead transmission line, cross arms, pole brackets and clamps, Cont.....
9	10-04-2023 TO 15-04-2023	4	guys and stays, conductors configurations, spacing and clearances, span lengths, overhead line insulators, types of insulators, lighting arresters, danger plates, anti-climbing devices, bird guards, beads of jumpers, jumpers, tee-offs, guarding of overhead lines. Cont..... 4.2. Prepare an estimate of materials required for LT distribution line within load of 100 KW maximum and standard spans involving calculation of the size of conductor (from conductor chart)
10	17-04-2023 TO 21-04-2023	4	current carrying capacity and voltage regulation consideration using ACSR Cont..... 4.3. Prepare an estimate of materials required for LT distribution line within load of 100 KW maximum and standard spans involving calculation of the size of conductor (from conductor chart), current carrying capacity and voltage regulation consideration using ACSR Cont.....
11	24-04-2023 TO 29-04-2023	5	4.4. Prepare an estimate of materials required for HT distribution line (11 KV) within 2km and load of 2000 KVA maximum and standard spans involving calculation of the size of conductor (from conductor chart), current carrying capacity and voltage regulation of the size of conductor (from conductor chart), current carrying capacity and voltage regulation consider action using ACSR Cont.....
12	01-05-2023 TO 06-05-2023	5	OVER HEAD SERVICE LINES 5. 1 Components of service lines, service line (cables and conductors), bearer wire, lacing rod. Ariel fuse, service support, energy box and meters etc. Cont..... 2 Prepare and estimate for providing single phase supply of load of 5 KW (light, fan, socket) to a single stored residential building
13	08-05-2023 TO 13-05-2023	5	5. 3 Prepare and estimate for providing single phase supply load of 3KW to each floor of a double stored building having separate energy meter Cont..... 5. 4 Prepare one estimate of materials required for service connection to a factory building with load within 15 KW using insulated wire. Cont.....
14	15-05-2023 TO 20-05-2025	5	5. 5 Prepare one estimate of materials required for service connection to a factory building with load within 15 KW using bare conductor and insulated wire combined. ESTIMATING FOR DISTRIBUTION SUBSTATIONS 6. 1 Prepare one materials estimate for following types of transformer substations. 6.1.1 Pole mounted substation Cont..... SOLVE NUMERICALS Cont.....
15	22-05-2023 TO 23-05-2023	2	6.1.2 Plinth Mounted substations. bb Cont...

M. Bagh
12/2/23
Sign of Faculty

[Signature]
Sign of Academic Coordinator