BHUBANANANDA ORISSA SCHOOL OF

ENGINEERING, CUTTACK

ELECTRICAL ENGG. DEPARTMENT

LESSON PLAN

SEMESTER: 5TH (C)

SESSION - winter-(2021-22)

SUBJECT: UEET

NAME OF FACULTY: SANJEEB DALAI

| Discipline: Electrical Engg. | Semester:5th (C) | Name of the teaching faculty: SANJEEB DALAI |
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| Subject-UEET | No. of Days/per week class | Semester: From Date: 1/10/2021 To Date: 08/01/2022 No. of weeks: 15 WEEKS |
| | (MON,WED-1 period each) | |
| | FRI-2 PERIOD | |
| Week | Class Day | Theory/Practical Topics |
| 1 st (01/10/2021-02/10/2021) | 1/10/2021(2 PERIOD) | ELECTROLYTIC PROCESS Definition and Basic principle of Electro Deposition. Inportant terms regarding electrolysis. |
| 2" (04/10/2021-09/10/2021) | 4/10/2021 | 1.3 Faradays Laws of Electrolysis. |
| | 08/10/2021(2 PERIOD) | 1.4 Definitions of current efficiency, Energy efficiency 1.5 Principle of Electro Deposition |
| 3" (11/10/2021-16/10/2021) | | PUJA HOLIDAY |
| 4 th (18/10/2021-23/10/2021) | 22/10/2021(2 PERIOD) | 1.6 Factors affecting the amount of Electro Deposition 1.7 Factors governing the electro deposition |
| 5th (25/10/2021-30/10/2021) | 25/10/2021 | 1.8 State simple example of extraction of metals.1.9 Application of Electrolysis |
| | 27/10/2021 | ELECTRICAL HEATING Advantages of electrical heating. Explain mode of heat transfer and Stephen's Law |
| | 29/10/2021(2 PERIOD) | 2- |
| 6th (01/11/2021-06/11/2021) | 01/11/2029 | 2.4. Explaîn working principle of direct arc furnace and indirect arc furnace |

| 26/11/2021(2 PERIOD) 4. ILLUMINATION 4. 1 Nature of Radiation and its spectrum 4. 2 Terms used in Illuminations. i. Luminous intensity ii. Lumen iv. MHCP v. MSCP | 3.5 Class 1 | 2 | 2 ire |
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| 6. ELECTRIC TRACTION | 24/12/2021(2 PERIOD) | 9 |
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| Class Test-3 | 22/12/2021 | |
| 5.4.4.1 universal motor and repulsion motor. | 20/12/2021 | 13 th (20/12/2021-25/12/2021) |
| 5.4.4 Single phase induction, series motor, | | |
| 5.4.3 3 phase synchronous motors | 17/12/2021(2 PERIOD) | |
| 5.4.2 3 phase induction motor | 15/12/2021 | |
| 5.4 State Application of: 5.4.1 DC motor | 13/12/2021 | 12" (13/12/2021-18/12/2021) |
| 5.2 Method of choice of electric drives. 5.3 Explain starting and running characteristics of DC and AC motor | 10/12/2021(2 PERIOD) | |
| INDUSTRIAL DRIVES State group and individual drive. | 08/12/2021 | |
| 1 st internal Assessment | 06/12/2021 | 11" (06/12/2021-11/12/2021) |
| 4.11 Sodium vapor lamps. 4.12 High pressure mercury vapor lamps. 4.13 Neon sign lamps. 4.14 High lumen output & low consumption fluorescent lamps. | | |
| 4.10 State constructional factures and operation of Fluorescent lamp. (PL and PLL Lamps) | 03/12/2021(2 PERIOD) | |
| 4.8 Explain Discharge lamps. 4.9 State Basic idea about excitation in gas discharge lamps | 01/12/2021 | |
| 4.7 Constructional feature and working of Filament lamps, effect of variation of voltage on working of filament lamps | | |
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| definitions like maintenance factor and depreciation factors | | |
| 4.5 Describe light distribution and control. Explain related | 29/11/2021 | 10th (29/11/2021-04/12/2021) |