**Govt. College Nalwa (Hisar)**

**LESSON PLAN (w.e.f. August 7, 2024)**

**Name: Dr. Sudesh Subject: Chemistry (MDC)**

**Class: B.A. I (1st Sem.) Paper: Chemistry of Oils and Dyes**

**Course Code: C24MDC104T**

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| **Month/Week** | Contents |
| **August** |  |
| Week 2 | Chemistry of Oils: Introduction to oils and fats, classification. |
| Week 3 | Common fatty acids present in oils and fats, Classification of glycerides. |
| Week 4 | Chemical difference between fat and oils. |
| **September** |  |
| Week1 | Chemical properties: Hydrogenation, hydrolysis (**Assignment 1).** |
| Week 2 | Saponification value, acid value, iodine value (**Minor Test).** |
| Week 3 | Chemistry of Dyes: Definition, Colour and constitution. |
| Week 4 | Classification of Dyes (origin, chemical structure, application methods). |
| **October** |  |
| Week 1  | Properties and applications of Methyl orange (azo dye) (**Assignment 2).** |
| Week 2 | Properties and applications of Malachite green (triphenylmethane dye). |
| Week 3 | Properties and applications of Phenolphthalein (Phthalein dye). |
| Week 4 | Properties and applications of Alizarin (anthraquinone dye). |
| **November** |  |
| Week 1  | Properties and applications of Indigo dye. |
| Week 2 | Revision |
| Week 3 | Revision |

**Incharge**

**Chemistry Department**