DEPARTMENT OF CHEMISTRY

***UG SYLLABUS DISTRIBUTION of MAJOR***

***YEAR:- 2022-2023***

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| Sl. No | Semester | Papers | Dr. K. A. Khan | Dr. J. P. Mishra | Dr. H. K. Shaw | Prof. Ariba Fatima  | Prof. Mousumi Sarangi |
| 01 | I | MJ-1 | 1. Atomic Structure | 1. Covalent bond | 1. Metallic bonding and Weak chemical forces | 1. Periodicity of Elements | 1. Chemical Bonding |
| 02 | II | MJ-2 | 1. Basics of organic Chemistry |  | 1. Alkene, Diene and Akynes | 1. Arenes and Aromaticity | 1. Isomerism: Structural and Stereoisomer2. Chemistry of Aliphatic Hydrocarbons Alkenes and Cycloalkanes  |
| MJ-3 | 1. Kinetic molecular model of a gas2. Liquid state | 1. Ionic equilibria2. Solid state | 1.Gaseous state |  |  |
| 03 | III | MJ-4 |  | 1. Oxidation-Reduction and general principle of metallurgy2. Chemistry of S and P Block Elements | 1. Inorganic Polymers |  | 1. Noble Gases |
| MJ-5 | 1. Chemistry of Halogenated Hydrocarbons2. Carbonyl Compounds |  | 1. Carboxylic Acids and their Derivatives2. Sulphur containing compounds | 1. Alcohols, Phenols, Ethers and Epoxides | 1. Alcohols, Phenols, Ethers and Epoxides |

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