## SHRI RAMDEOBABA COLLEGE OF ENGINEERING AND MANAGEMENT, NAGPUR

**DEPARTMENT OF COMPUTER APPLICATION**

**MCA Part I Sem-I (Shift-I & Shift-II)**

**Session 2021-2022 (Odd Semester: Winter 21)**

**Course: Object Oriented Programming Lab Course Code: MCP541**

**Practical List**

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| --- | --- | --- |
|  | **Study and implementation of following using Java:** |  |
|  | 1. **Classes and Objects concepts** 2. **Destructor and types of Constructors** 3. **Function Overloading and Overriding** | **CO1**  **CO1**  **CO1** |
|  | **Study and implementation of following using Java:** |  |
|  | 1. **Inheritance (single, multilevel, hierarchical)** 2. **Interface** | **CO1**  **CO1** |
|  | **Study and implementation of following using Java:** |  |
|  | 1. **Static Members and Static Member Functions** 2. **Packages** | **CO1**  **CO1** |
|  | **Study and implementation of following using Java:** |  |
|  | 1. **Exception handling** 2. **Generics** 3. **Collections** | **CO2**  **CO2**  **CO2** |
|  | **Study and implementation of following using Java:** |  |
|  | 1. **File Handling** 2. **Serialization and Deserialization** | **CO2**  **CO2** |
|  | **Study and implementation of following using Java:** |  |
|  | 1. **Multithreading** 2. **Database Connectivity** | **CO2**  **CO3** |
|  | **Study and implementation of following using Java:** |  |
|  | 1. **JSP** 2. **Servlets** | **CO3**  **CO3** |
|  | **Mini project based on above practicals.** | **CO1, CO2, CO3, CO4** |

Practical In-charge:

**Dr. Pravin Y. Karmore Dr. P. S. Voditel**

Head

**Dr. Abhijit R. Thakare** Deptt. of Computer Application

**Prof. Lalit S. Agrawal**