**Format for Journal write-ups:-**

Assignment No:

Aim: Detail aim of assignment as per syllabus

Theory: about Respective assignment

Conclusion:

**Term Work Criterion:-**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Assignment Submission  (Soft Copy)  (5 marks) | File Checking  (Hard Copy)  (5 Marks) | Lab Attendance  (5 Marks) | Mock Evaluation  (10 Marks) | Total  (25 Marks) |

**What to write in Theory Part:-**

|  |  |
| --- | --- |
| **Assignment Name** | **Theory (write it in detail)(Refer OOPL Lab manual for write-ups)** |
| Weather Report | * Basic concept of OOP * What is constructor & types of constructor * What is static variable & static function |
| Complex Number | * What is operator overloading * Need of operator overloading * Rules of operator overloading * State which operator are overloaded & which are not & why |
| Inheritance  (Assign 4 & 9) | * What is inheritance * Types of inheritance with diagram * Constructor in derived class- syntax with explanation * New & Delete operator |
| Virtual Function | * What is polymorphism * Types of polymorphism with definition & proper explanation * What is virtual function & pure virtual function * Key element required to achieve run time polymorphism |