**Date : 16th April 2022**

**Practical Assignment:**

Aim :- To learn and implement the following concepts .

1. Classes and objects
2. Data members and member functions access
3. Constructors

Details of class, data members, member functions:

|  |
| --- |
| **Class:** Employee |
| **Data members:**  Name  Designation  Basic salary  Experience  DA  HRA IT  GS  NS  Department |
| **Member functions:**  getData()  calc\_DA()  calc\_HRA()  calc\_IT()  calc\_GS()  calc\_NS()  putData()  cal\_Sal() |

|  |  |  |  |
| --- | --- | --- | --- |
| **Designations** | **B.S. (Basic salary)** | **O.D.A (% of Basic sal)** | **HRA(% of Basic sal)** |
| Manager | 50,000 | 30 | 20 |
| Supervisor | 30,000 | 20 | 10 |
| Executive | 20,000 | 15 | 05 |

Gross\_salary = Basic\_salary + DA + HRA  
Net\_salary = GS - IT

DA to be calculated as (ODA + (Experience  \* 3)

IT to be calculated as:

30 %, if GS > 70000

20%, if GS > 50000

10%, if GS > 30000

0%, otherwise.

**Basic:**

1. Create an Array of 10 objects of class named Employee.
2. Calculate DA, HRA, IT, Gross Salary and Net Salary of all employees.

**Moderate:**

1. Count total number of specific type of employees.
2. Calculate total income tax paid by the organization using field IT.
3. Calculation of salaries for various type of designations.