



Winter Semester 2019-2020

Assignment – 3

Programme Name: BSc. (CS)

Slot: L49 + L50

Course Code: CSC2002

Course Title: OOP Lab

Faculty Name: Chandra Mouliswaran S. & Chemmalar Selvi

Maximum Marks: 10

ANSWER ANY TWO QUESTIONS (LAST DATE FOR SUBMISSION: 08.06.2020)

1. Develop the OOP to get the monthly income of Father and Son and check whether they are Tax Payer or not by incorporating the function "isTaxPayer()" in "Father" and "Son" class using virtual functions. Assume, if the person's yearly income is more than 2.5 Lakhs rupees, he become as the Tax Payer.
2. Develop an OOP to check the whether the son and father is Senior Citizen by enabling the "checkSeniorCitizen()" function in both "Father" class and "Son" class using virtual functions concept.
3. Develop an OOP to perform the selection sort in ascending and descending by using overloaded function template.
4. Develop an OOP to get the variants of the quadratic equation and find the sum and product of roots of quadratic equation. Invoke the necessary exception to avoid the result as infinite.
