

- c) Consider the following code. Derive a number of tests to achieve 100 percent statement coverage [4].

Begin

```
int Interest = 0.035;
int Balance;
input(Balance);

If Balance > 1000
Then
    Interest = Interest + 0.005;
    If Balance < 10000
    Then
        Interest = Interest + 0.005;
    Else
        Interest = Interest + 0.010;
    Endif
Endif

Balance = Balance * (1 + Interest);
```

End

T1: balance = 5000

T2: balance = 20000