Assignment Sheet - 02

B. Tech - I Semester

MA112 - Computer Programming and Applications

Date: 10/12/2020   Time: 2.00 pm - 4.30 pm   Max. Marks: 10

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a. Write a program to display a **SHOPPING BAZAAR BILL** as follows:

```
              SHOPPING BAZAAR BILL
    --------------------------------------------------

    ITEM DESC       QTY       BASE-AMT        NET-AMT
    --------------------------------------------------

    TOOTHPASTE       1         65.00           65.00
    TOOTHBRUSH       2         35.00           70.00
    NOTEBOOK         5         40.00          200.00
    --------------------------------------------------

    TOTAL                                     335.00
    --------------------------------------------------
```

b. Write a program to read two integer numbers a and b and display its addition, subtraction, multiplication, division and remainder.

c. Calculate $f(2.5)$ for the polynomial

$$f(x) = x^5 - 12.1x^4 + 40.59x^3 - 17.015x^2 - 71.95x + 35.88$$

Program submission:

Name the programs as **XXXA02Y.cpp**, where **XXX** is the last three digits of your student id, **A02** is the assignment number and **Y** is program number. For example, if the student id is **'sc20b150'** and your program number is **'a'** then the file name should be **150A02a.cpp**. Upload your answers in IIST LMS website *https://moodle.iist.ac.in*