$z < 1.2)$.

Normal table,

$z < 1.2) = 0.3849$

$5 < z < 0) =$

Date _____ Page _____

Qn. 8b.

Data: 1010011110

Divisor: $x^4 + x^2 + x + 1$

10111

Now,

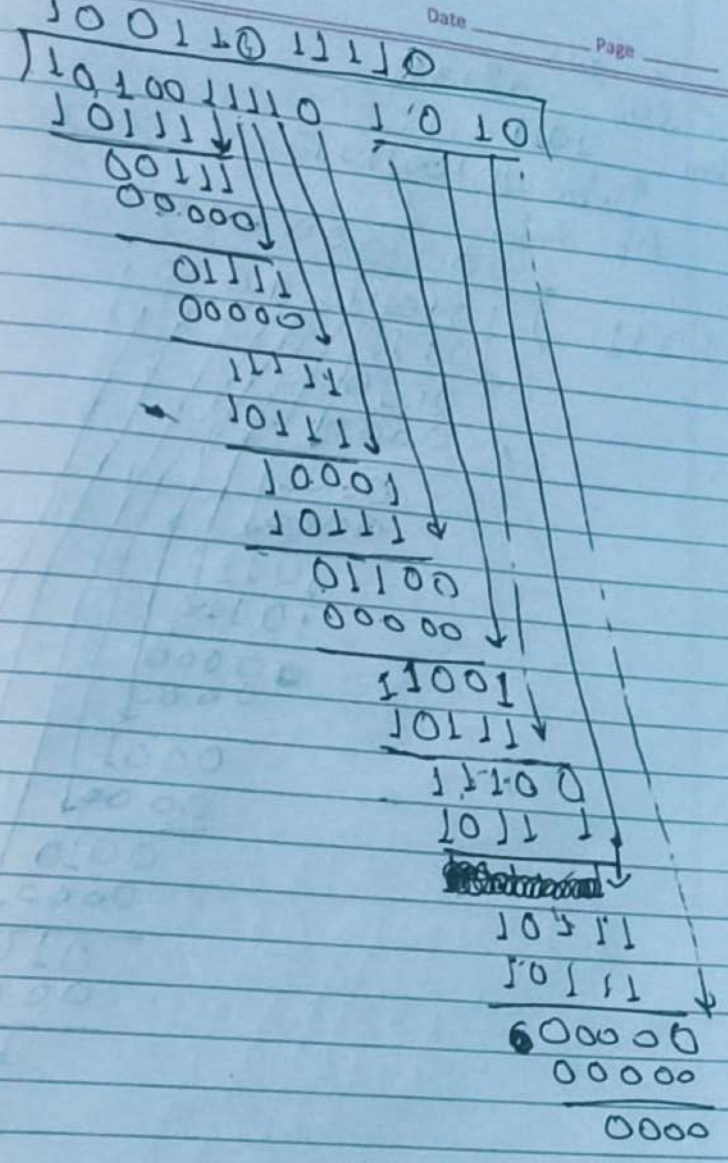
At sender (using binary division).

```
          1001101110
10111 ) 1010011110 0000 (
        10111
        -----
         00111
         00000
         -----
          01111
          00000
          -----
           11111
           10111
           -----
            10001
            10111
            -----
             01100
             00000
             -----
              11000
              10111
              -----
               11110
               10111
               -----
                10010
                10111
                -----
                 01010
                 00000
                 -----
                  1010
```

GURUKUL

Receiver

```
                 1 0 0 1 1 0 1 1 1 1 0
10111 ) 1 0 1 0 0 1 1 1 1 0 1 0 1 0
        1 0 1 1 1
        0 0 1 1 1
        0 0 0 0 0
          0 1 1 1 1
          0 0 0 0 0
            1 1 1 1 1
            1 0 1 1 1
              1 0 0 0 1
              1 0 1 1 1
                0 1 1 0 0
                0 0 0 0 0
                  1 1 0 0 1
                  1 0 1 1 1
                    1 1 1 0 0
                    1 0 1 1 1
                      1 0 1 1 1
                      1 0 1 1 1
                        0 0 0 0 0
                        0 0 0 0 0
                          0 0 0 0
```



no error.

GURUKUL

2018 fall.

Data: 111010

Divisor: $x^2+1 = 101$

```
        100010
101 ) 111010 00
      101
      ---
       000
       000
       ---
        001
        000
        ---
         010
         000
         ---
          100
          101
          ---
           010
           000
           ---
           CRC (10)
```

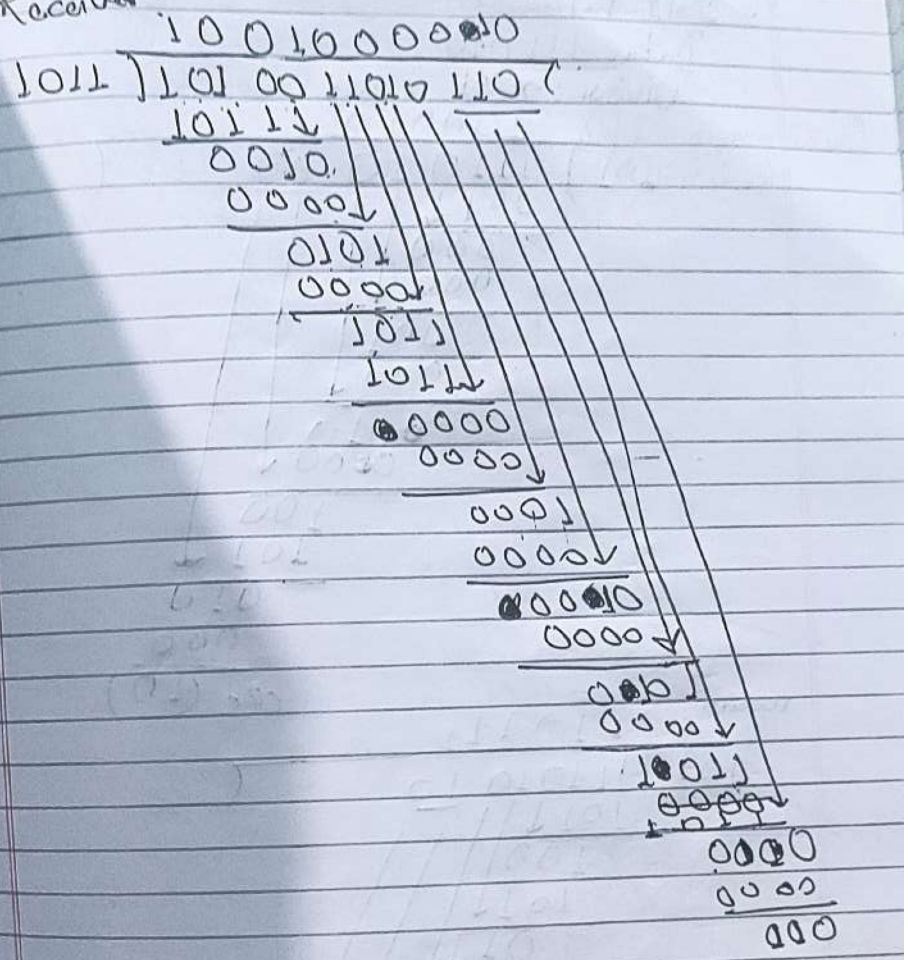
receiver:

```
        110111
101 ) 111010 10
      101
      ---
       100
       101
       ---
        011
        000
        ---
         110
         101
         ---
          111
          101
          ---
           101
           101
           ---
           00
```

No error detected.

Date _____ Page _____

Receiver:



No. Error detected.

GURUKUL

Date _____ Page _____

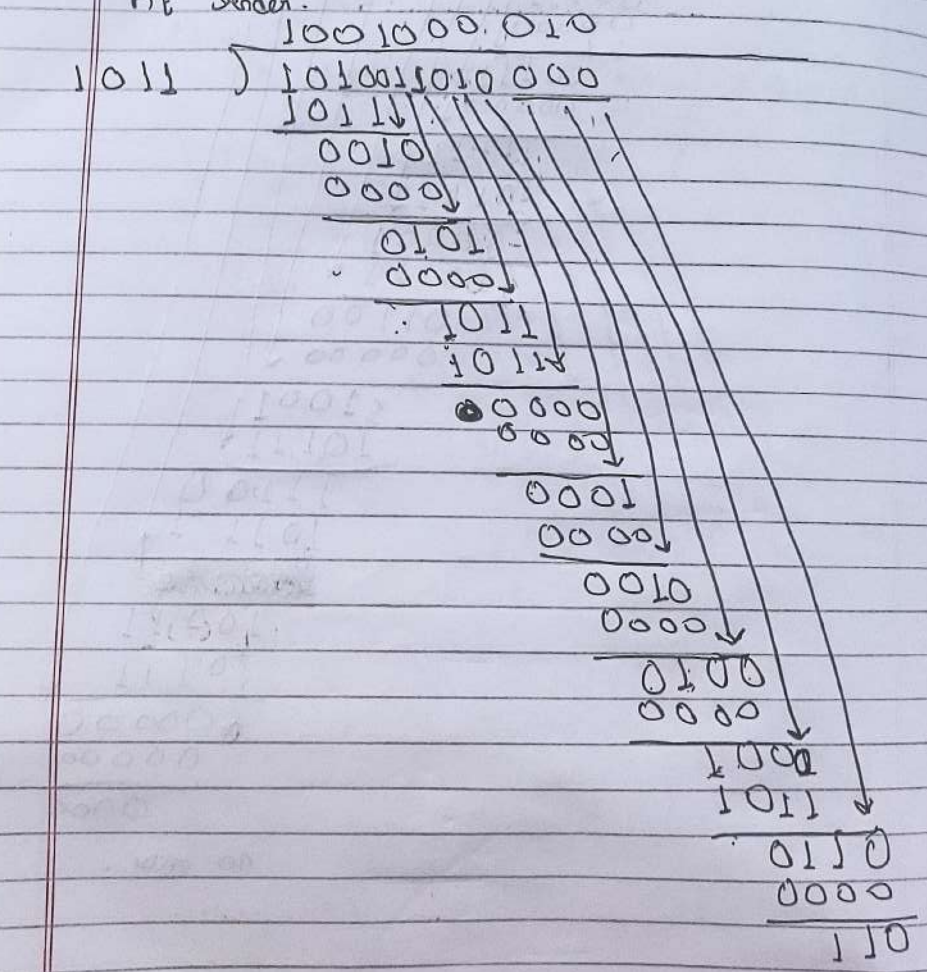
2018

8(b) x^3+x+1

Divisor: 1011

Data: 1010011010

At sender.



```
          1001000.010
1011 ) 1010011010 000
       1011
        0010
        0000
         0101
         0000
          1011
          1011
           0000
           0000
            0001
            0000
             0010
             0000
              0100
              0000
               1000
               1011
                0110
                0000
                 110
```

GURUKUL