## **PART-B**

## **Program 14**

Write a program for error detecting code using CRC-CCITT (16-bits).

## Code:

```
Implementation of CRC
det xor (9,6).
      Mosoff = [ ]
      for in manye (1; len(A)):
         if acido = & Eid:
            sout - grand (11)
           enetwin " . join ( neso 1+ )
det nod da (daidand, divsor).
          prehzlen (divious)
          trap = dividend to: pizky
          white meh Krencoloridend)
             if top [0] = = - 11.
                temp = por (dividos, tom)+
                            davidand Frak 7
             terms = over (-or a rick steam) + dividualized)
        if tempto = = -1'
              temp = HOR (divides temp ).
         cls- :
              tour = xox( ·o' - rah story)
            return checkword.
   def excede Pata (detas try):
           Aty = Jen (Keg)
          aprend - data = Jaha + '0' - (1- hay -1)
          oremedore modern ( yound - date, hey ) codewood a date + remainder.
```

port ("Rounder", monder)

prot ("Rounder", monder)

prot ("Rounder", monder)

prot ("Rounder", monder)

date "10000"

key 2 4101"

croade lite (date, kys)

## Output

Enter data: 1100110

Enter generator polynomial: 1101

CRC: 100

Transmitted Data: 1100110100

Enter received data: 1100110100

No Error

=== Code Execution Successful ===