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Page No.
                                    Date
Name: Rohit Kudache USN: 1BM18CS083
Programa: Error Detecting code using
     CRC-CCITT (16 bits)
 import java·util- +;
       public class crc &
            public Static int his
           public static void main (String [] args)
    Scanner in = new Scanner (System. In);
              crc ob = new Crc ();
        String code, copy, rec, zero = "000000000000
                                               00004 :
        system vout printin ("Enter polynomial");
              code = in. nex + Line ();
                 n = code. length () i
                 copy = code ;
                 code + = zero;
                code = 06. divide (code);
                system. out. printh ("entired
                              polynomial="+copy);
   copy = copy. substring (0, n) + code. substring (n);
                 System. out. println ("CRC=");
             System. out. printin (code. substring (n));
       System-oud printin ("transmitted frame is"
                                      tcopy);
           System. out. println ("Enter recieved data");
                  rec = in. nextline () i
    if (zero-equals(ob.devide (rec). substring (n))
         system our printin (" correct bit recieved");
     else
       system. out pointin (" cossupted");
                                         in-close ();
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```

Scanned by TapScanner

