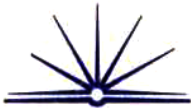Question 24.

a) Two methods of error detection methods can
be 1) parity check   2) CRC (cyclic redundancy che[ck]

1) Parity Check : the method of checking for errors
uses an additional bit to check whether the
data has been transmitted correctly. It adds
an extra 1 or 0 bit to a the whole data
packet,  . To leave it with an odd number of
ones . ie. if the first 7 bit of an 8 bit. ASCII cod[e]
is even, then an extra "1" is added to keep it
odd . if the first 7 bit is odd then the 8th bi[t]
is left "0" to keep it odd .

when the receiver recieves the data and check[s]
whether the amount of 1's are too odd the he
or she can determine whether it has arrived
successfully . if sent in odd then it should be
recerved in odd .

2) The CRC (cyclic redundancy check) is a divisio[n]
process whereby the data packet is divided int[o]
predetermined lengths and divided by a fixed divi[sor]
The remainder is then attached to the data packe[t]

and upon retrieval the reciever recalculates
the remainder and if the remainder matches it
has been recieved successfully. If the
remainder does not match then an error has
occurred.

b) ~~the~~ ~~Madison would use a DBMS software~~
~~to help process, organise, store and retrieve data~~
~~with a DBMS.~~

Using data Mining, and DBMS to help provi-
a solution for the company, in processing, organi-
storing and retreiving data.

* data Mining will help identify patterns and
relationships between the data collected in Madison
with data Mining Madison are able to determine
a link or relationship between the sales of a
particular item purchased and it's price. With
the information the data mining ~~process~~ produces.
~~the~~ Madison are able to make an informed
decision to improve on their business, as they
are able to see which item is in demand.

a ~~DB~~ DBMS is a software which will allow Madi
to have access and manipulate data in their
db. The data collected by the company can be
processed (manipulated) into fields in a relationa
db, then it ~~can~~ will be organised in such a way
to make it apparent as to what item is purchased
and where? These data will be stored into a
relational db (database) so it can be linked
to a series of ~~related~~ tables. The specific
retrieval of data (search) can be done with
"query". With this software, Madison are able
to see the relationship of fields (data items)
which are linked to another table, they can se
what is in demand and what, where, who, and
how the data are ~~in~~ in a pattern. ~~With~~ with this
knowledge Madison can advance and develop
a ~~better~~ marketing strategy knowing what
customers normally buy and who, and where.

c) equity, because Pat and Sam has an interna company email accounts and John doesn't. this is not fair for John as he is firstly, unable to communicate with other employees and secondl this creates social tension as Pat and Sam are able to discuss issues since John is absent.

John, has the right to know what information is being kept away from by Sam and Pat. The nature of John's work has changed as he is disadvantaged in a way that he is kept away from certain information.