Question 21 a)

	DAYS	WK1	WK2	WK3	WK4	WK5	WK6	WK7	W8	W9	W10	W11	W12
Defining & Understanding the problem	14	▨	▨										
Planning & designing	28			▨	▨	▨	▨						
Implementation	14							▨	▨				
Testing & Evaluating	14									▨	▨		
Maintenance	14											▨	▨

Since the manger wanted to use the structured
approach there are 5 stages which is involved in
using the structured approach, Defining & understanding
the problem, planning and designing the problem, Implemen
tation of the problem, Testing and evaluating the
problem and the maintenance of the problem, as it
was set out by the manager that the project will
have 12 weeks set aside, each stage taking the same
amount of time, except the planning & designing all
will take 2 weeks except for planning & designing which
should take twice as long as all the other stages.
4 By having the original data dictionaries and
test data of the original system it will make
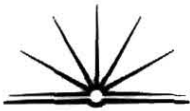
it easier to modify the solution as all the technical documentation is already done and makes it easier to modify as data dictionaries contain all the data which is contained within that system such as data type, the size, reason for inclusion and so on. Test data is useful as test data contains all the data which has been tested so if any modification is needed it can be spotted easily or they can use the information used to modify the existing system further

c)

Amount	Desk check	Actual Result
22		
33		
11		
222		
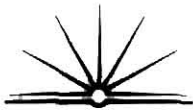
```
1 BEGIN

2        OPEN Transaction

3        total = 0

4        gst_total = 0

5        aver_trans = 0
6        READ first record

7.       WHILE record NOT sentinel

8            total = total + Transaction.amount

9.           gst_total = gst_total + Transaction.gst

10           aver_trans = gst_tota + Transaction.gst / total

11           READ next record

12       ENDWHILE

13       Output total, gst_total, aver_trans

14 END
```

d)i) This particular CASE tool shows how it helps the program as # each time a version of the product is created, the information is stored in a sequential file. and keeps track of the versions and lines of code in each modification to their main software product. As it stores all the files in a sequential file, people

which come back to see what versions were available

can easily be able to see the versions used.

ii) BEGIN

    RESults = 0

    Version = 0

    RRAD first version