1.

HTTH----0.0625

HHHH----0.0625

TTHH------0.0625

2. 24w

21M Total= 50

P(M)=21/45

Ans= 24/45

3.P(BT)=10% =0.1

P(C)=0.005%=0.00005

P(C/BT)=P(BT/C)P(C)/P(BT)=(O.1\*0.00005)/0.1 =**0.005%**

4. P(AS)=0.05

External factors are not considered. Maybe this happens to particular users of a target group.

**Exercise 2**

P(TD)=0.5%

P(+/TD)=98%

P(+/NTD)=10%

P(+)=?

P(+)=P(+/TD)\* P(TD) /P(TD/+)

=0.98\*0.005/0.9

=5.4%

2.