Took 1

IST 7:1 Z: L 3 (Pass) | Fail 10 Total students: 4+10+12+5+3 = 34

P(mark = 1st

= 4/34 = 0.11764 = 10/34 = 0.29411 = 12/34 = 0.35294 = 5/34 = 0.147058 = (4+10+12+5)/34P (Mark = 2:1) P (Mark = 2:2) P (mark = 3 (Mark = "fail)

= 0.91176 Pass 0.5882 Pass

Fail 22 Female 0.3235 20 0.0294

P(Pass) = Pass/tola) = 31/34 = 091176 P(Pass, Female) = 0.3235

h) P(sunny) = 0.3 + 0.1 = 0.41) P(hot) = 0.3 + 0.1 = 0.4

P(hot/sunny) = hot/sunny = 0.3/0.4=0.75 P(rainy/cold) = rain/cold = 0.5/0.6=08333

5)
$$P(79|x) =$$
 $x = 0.2 = 0.3 = 0.5$
 $-x = 0.4 = 0.1 = 0.5$
 $-x = 0.6 = 0.4 = 0.0$
 $= P(x = 0.3 = 0.6)$
 $= P(0.3 + 0.1 + 0.1 + 0.15)$
 $= 0.65$

U) $P(\text{sun } 1 \text{ uinter}) = P(\text{u=sun } | \text{s=uinter})$
 $= 0.1 + 0.15 / 0.144.0.05$
 $+ 0.15 + 0.2$
 $= 0.25 / 0.5$
 $= 0.5$

U) $P(\text{sun } 1 \text{ uinter}, \text{ hot}) = P(\text{u=sun } | \text{s=uinter})$
 $= 0.1 + 0.15 / 0.15$
 $= 0.66667$

Tash 2

Hamburge EATER = ME

a)
$$P(HE | KJ) = 0.9$$
 $P(KJ) = 1/100,000$
 $P(HE) = 0.5$
 $P(KJ | HE) = 2/100,000$
 $P(A) = 1/10000$
 $P(A) = 1/10000$
 $P(A|A) = 0.99$
 $P(A|A) = 1.976285 \times 10-3$

There
$$\int_{0}^{\infty} r$$
:

(b) $P(-3) = \frac{9999}{10,000} = 0.9999$
 $= 1 - P(3)$
 $= 1 - P(3)$
 $= 1 - P(3)$
 $= 1 + 10^{-6}$
 $= 1 + 10^{-6}$
 $= 1 + 10^{-6}$
 $= 1 + 10^{-6}$
 $= 1 + 10^{-6}$
 $= 1 + 10^{-6}$
 $= 1 + 10^{-6}$
 $= 1 + 10^{-6}$
 $= 1 + 10^{-6}$
 $= 1 + 10^{-6}$
 $= 1 + 10^{-6}$
 $= 1 + 10^{-6}$
 $= 1 + 10^{-6}$
 $= 1 + 10^{-6}$
 $= 1 + 10^{-6}$
 $= 1 + 10^{-6}$
 $= 1 + 10^{-6}$

 $P(t | \lambda) = P(t / \lambda) / P(\lambda) = 0.99$ $P(\tau | \tau \lambda) = P(\tau \lambda \tau \lambda) / P(\tau \lambda) = 0.95$ $P(\lambda) = 1/10,000$

Task 26)