oblem!: Z= W. +WTX , p(C,1X) = & (W0+WTX) ,p(C,1X) = 1-p(C,1X) = p(C,1X) = e(-W0-WX) taking log for both sides

og(1(w)) = -5(+10) log(1-P(C=0|X',w)+ (1-+10) log(P(E=0|X,w)) (log (w) = 5 + 10 log (1+e = 5 til zil + log (1+e-zi

| $= \underbrace{\sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} $ | Date: | Page: | To the second se |
|--|---------------|--|--|
| in MAP rule:- we want to maximize P(W) IT P(ta) XOW) | 3 2 mg = 5 +0 | (x,(i) + e(-=0) | |
| we want to maximize P(w) IT P(ta) XOW) | = 5 x (1 |) (ti) - p(c=1/x", W)) | 6 |
| 1 2 bog (P(W)) W. | in MAP ral | to maximiz P(w) the p(tas) | 2 |
| 1 3 pod (b(m)) M. | = P(w) = - | (- W; 2) <17 | 0 |
| O W | We we | w) W. | |
| : For GA:- [W;=W;+X[-W;+ \(\frac{2}{2}\)][t"-P(C=1 \(\frac{1}{2}\)]] | : For GA: | w., ~ [-w: , 5 x. ii) [+ (i) - D(C-1 x (ii) w 7 | |
| | | | |