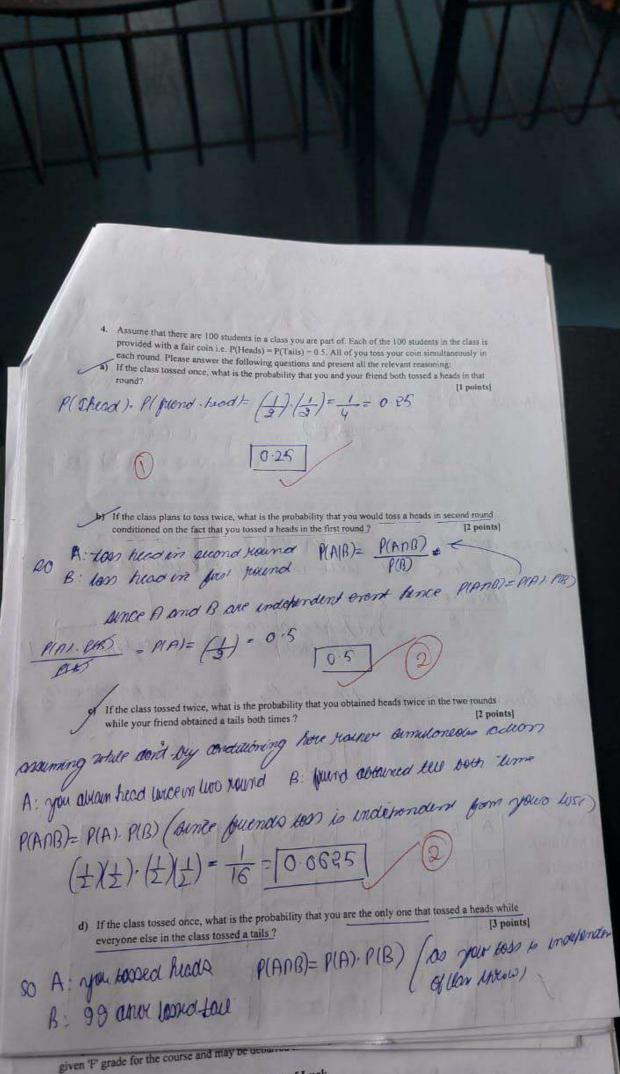
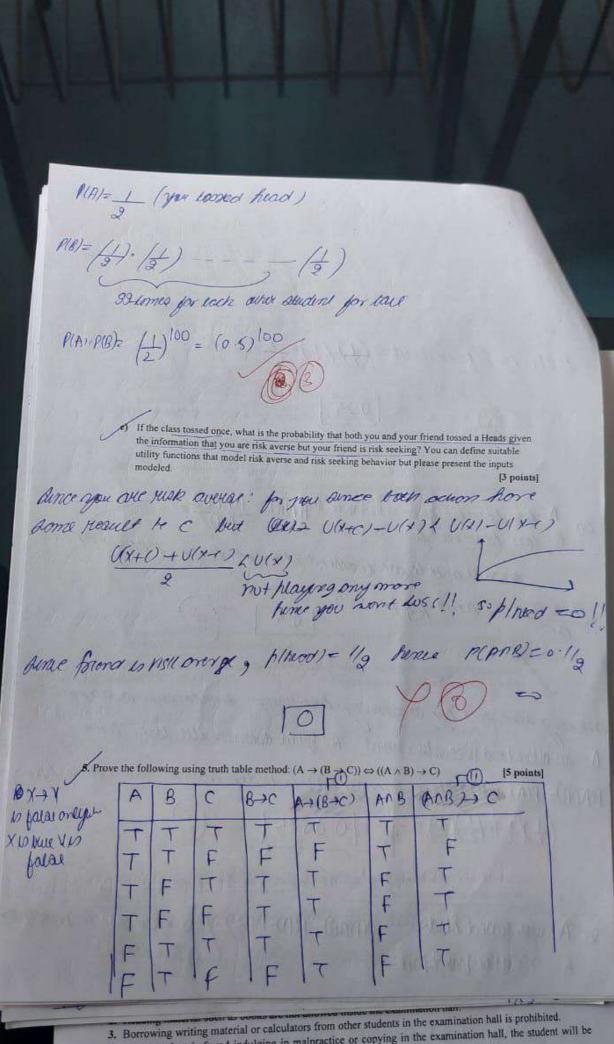
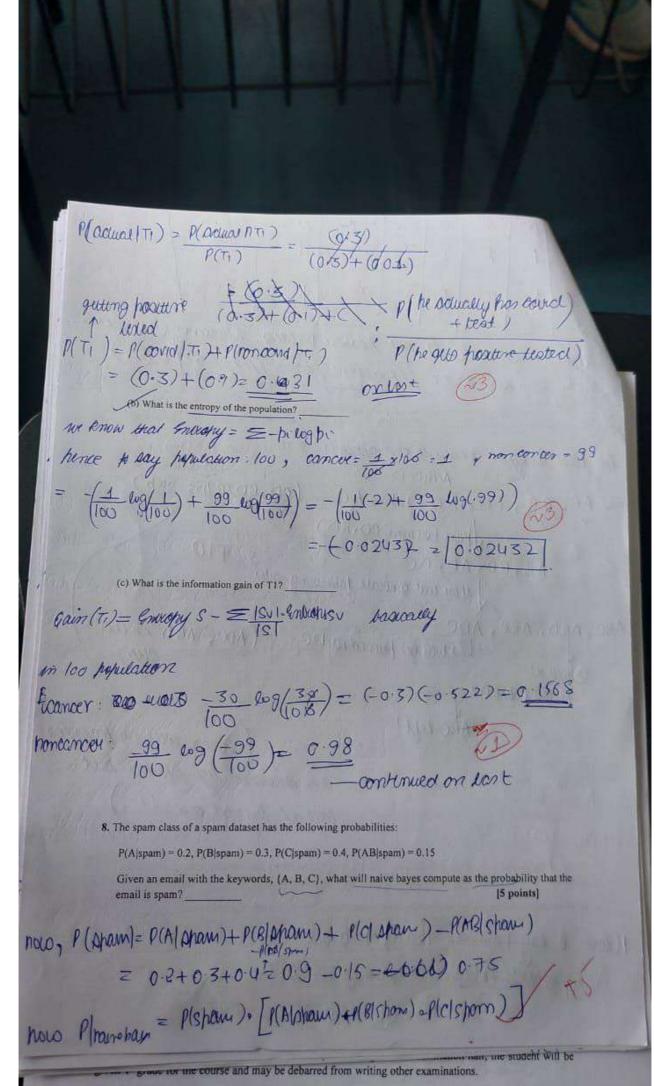


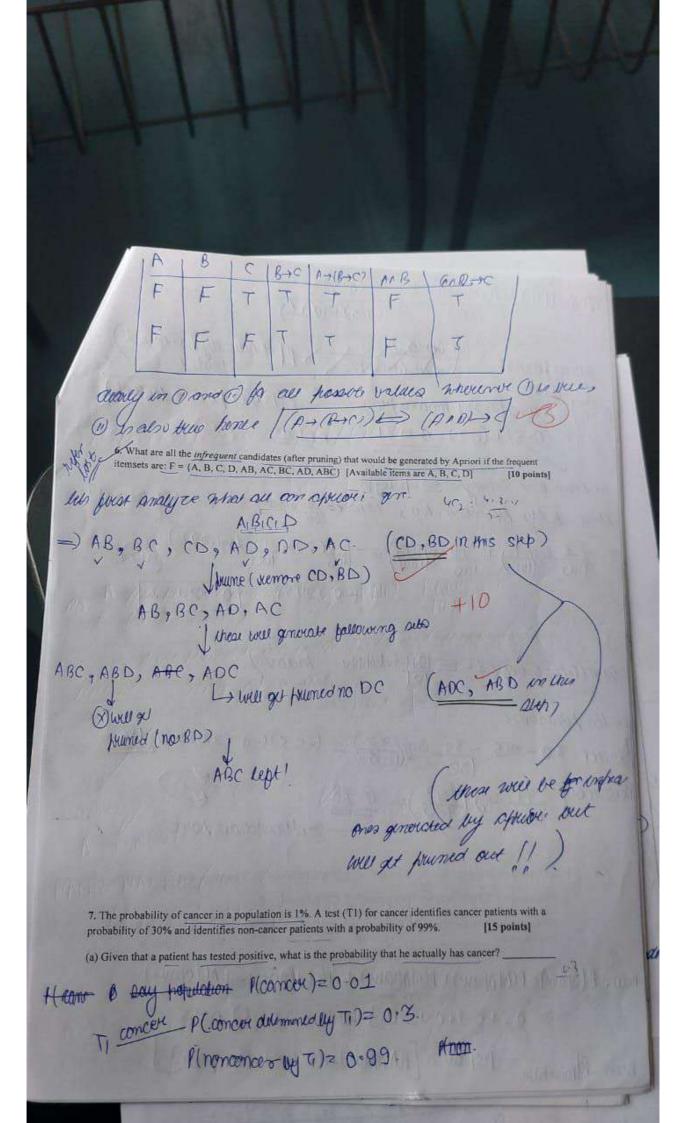
Dother es that you choose reward in such a way that equality remains some so say fort = 20 then (1116), /2/130), /2/185) here you molice the the value changed but policy remains the some d) Is it possible to change the immediate reward function so that J(Cool) [not the policy J but the value provided by J at state Cool] changes but the optimal policy would remain unchanged? If yes, please give such a change and if no justify your answer in a couple of sentences. [3 points, mentioning Yes/No without relevant explanation will not carry points] basically thing is consider state cool you have three opens availe outher , cool Immediate Kuvosa fondios (1/4) (1/10) (3/10) chumas policy 02, O y you choose minord therene you cross for fort too slow then obviously son we be (complete A matrix for this problem. so it would be solved as , we need to except - initial probability sur oction atate moumising moters
we would (Sist-1 of a process octor o from reword. LI (when (= f) explained howest well be done on lost at page - (2) 111

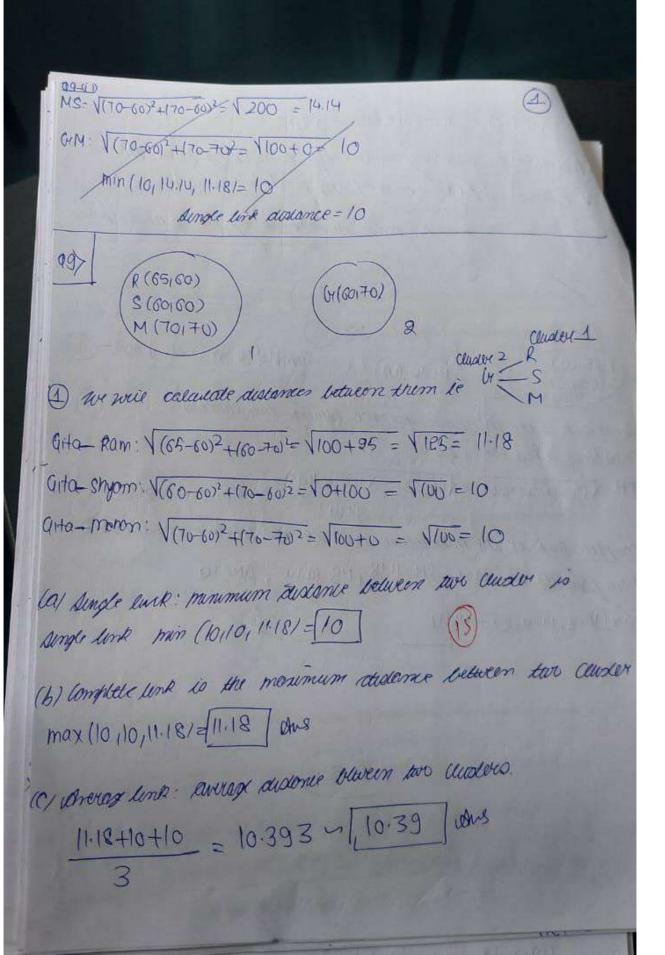


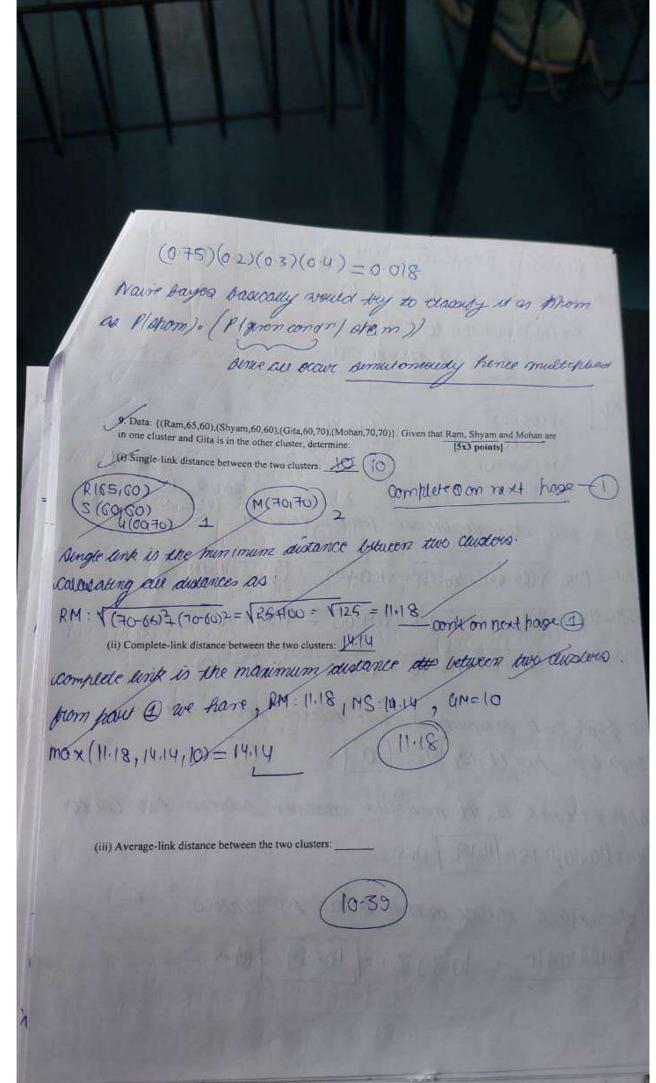


- 4. If any student is found indulging in malpractice or copying in the examination hall, the student will be given 'F' grade for the course and may be debarred from writing other examinations.

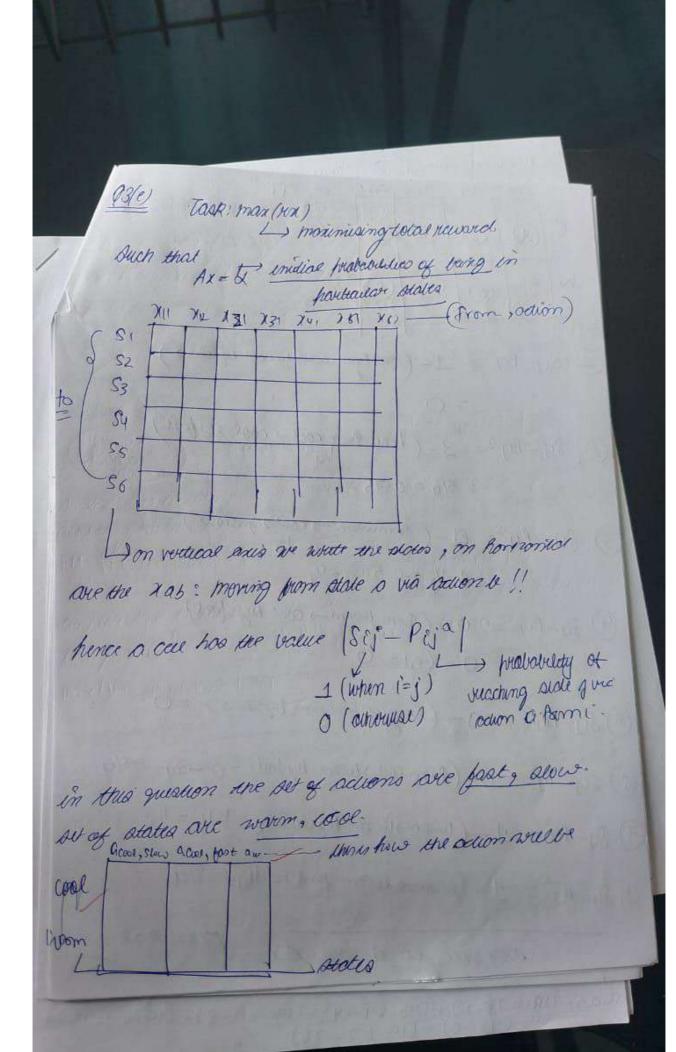


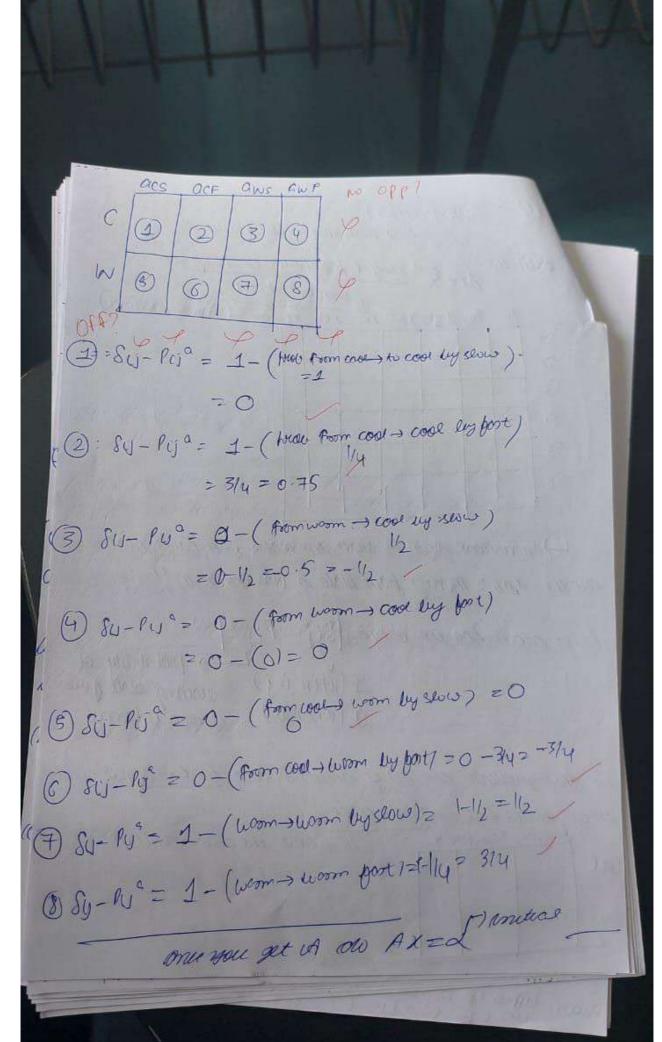






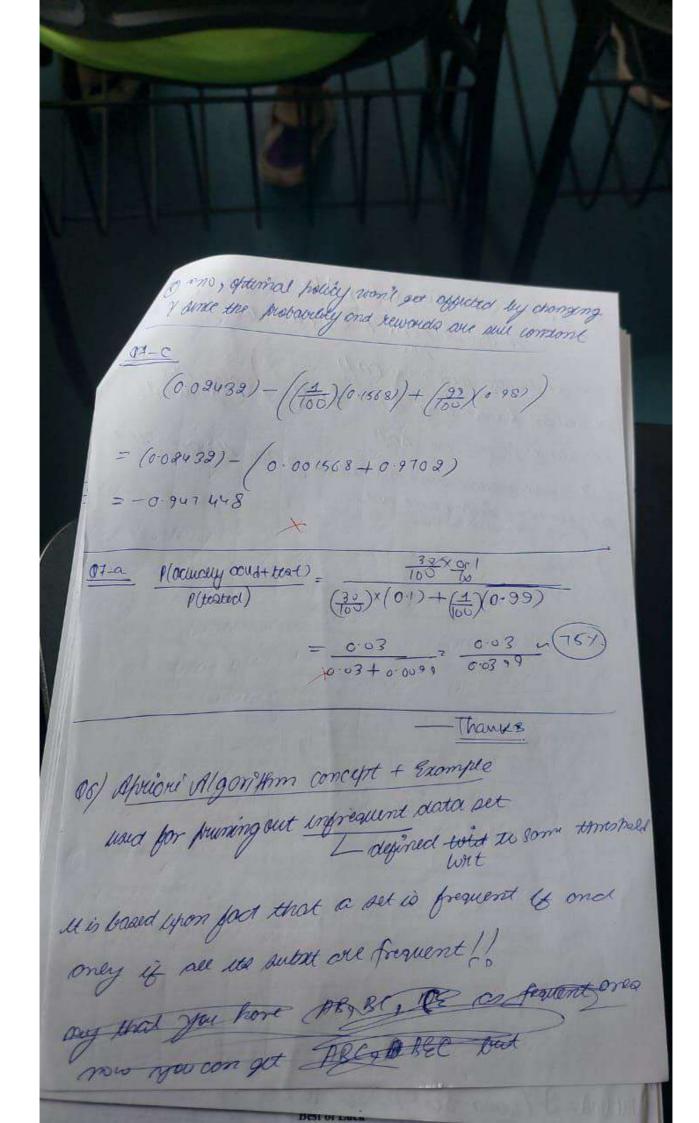
4. If any student is found indulging in manufacture of the student is found indulging in manufacture.





32) 10mpp poduciny opensable markore digison Macanes 19 (a) It is folse as 0.50 pratability mons that there are 060 per 604 percent cronces to gonno win In that Case win whilely amounts to (0-60×100) = 60. It want the amount of money you get !! It's just utility hence Roll - Achise (b) Ro, being rusk neuveal is when your utility also basies unearly with the original, chearly think box Spec clearly winning is more Utuktok U- West than wang him hime, loxing is more than guining - U(x)+ U(xxx) LU-U(x-1) U(x+0)-U(x) 40-U(x-) ORECT+01x-12 AUTH) Ulate 2401x-174 0(4) you might get bo with whiley 20 hence you are a withce O yes bring had anna ment play because pere utility of losing & utility of winning hime work lose ouck of looning -100 by probability of 404. 111 @ we know that new belief state is boxcally the updated probably te after considering the worth confedence you go ?

of it was (ZY, (100-Z)Y) and of ofter worth To convocate by 15+ of it were be quet / teking ((2-15)/, + (100-Z+15)/) new belief state ofter considering observation (3/6) Optimal policy of robot is one that mountales , Kawara !! for the cool stole , optimise policy would be to neach warm stale by fost action thereby gettling revorses (410) and probability is 3/4. here relatively fugher those what other would growill I for the worm dell , optimal policy would be to Off gesting neword 10, probability of 314!! because the new motive is to movimuse = As/1907-US') / probability of reaching do & via state sty loting oction a) (USI) be the volue of state it has reached) 4. If any student is found indulging in malpractice given 'F' grade for the course and may be debarred from writing other examination



day you have PB, BC, CD, AD you formed ABD, BCD, CAP but 11 CAD wer get pruned unce's no CA !! BCD was get pruned there is not BDI! PRD wee get present not BO! that what qualion demonds returning all the ones that got founed (infrequent one).