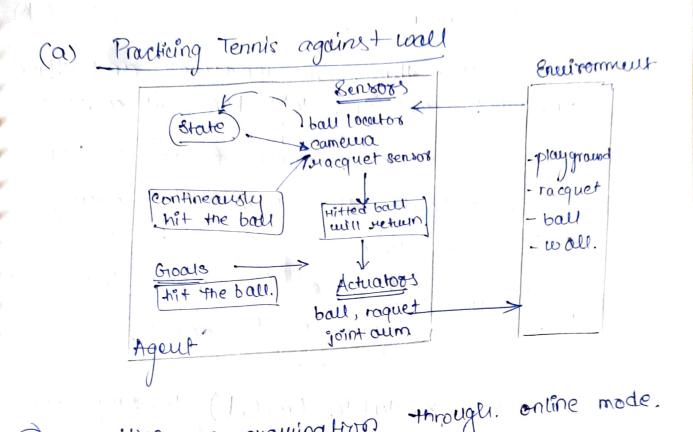
106119100 CSPC54- AIML 12/20/70 Ragneesh Pandey CT-01 PEAS PEAS stand for Penfoumance.

PEAS measure, environment Actuators.

reasure, environment to catagorise, sensor of agents to catagorise. (a) Bidding on a item at an auction. P: <u>Penfoumance Measure</u>: cost, value, necessity, quality E: Environment: auctioneen, îtems, biddeus A: Actuators.: speaken, display îtem. S: sensors: camera, price monitor. of above agent Environment types - pautly: Deterministic/ 4 stocastic - single agent. - contineous. - pourty: Episodic/ - Dynamic sequential. - Not observable (b) unitting a swetcy p - Rize, looking, comfort E - craft patteun. A - needles, your, jointed aums pattern servor. Environment type): contineous, single-agent. Deterministic, Sequential, Static. obsenvablě,

Question (2)



examination ω Environment 11.7 11.7 7.11 Sensos student. State - Desk Time is confineausty Devices getting weite solns finished. Notebook. Actuator) Gioals finish the exam pen, on time with copy maximum atternited laptop/denice. ques!

Quertion (3)

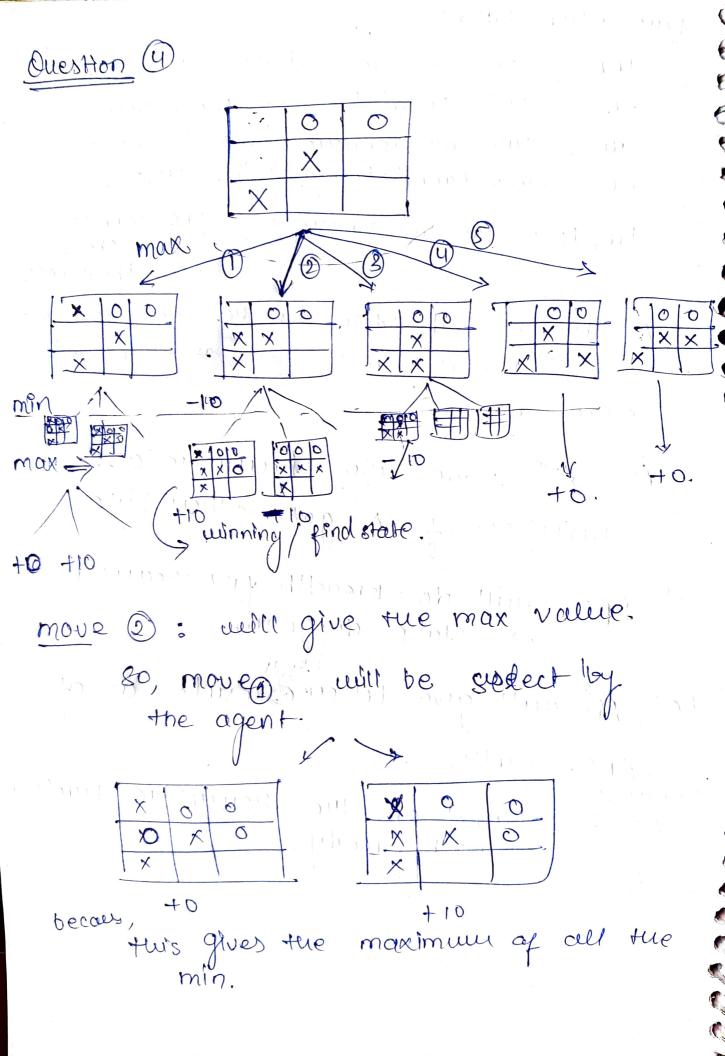
(a) The data given is.

- cannibals on the left bank of a viver.
 - They wish to cross overt to right bank using a boat that can conly carry two at a time.
 - Plan a sequence of crossings that will take e evenyone sofely across.

we can use 3-tuple (m, c, b) to represent the state of one side of viver. m: stands for the number of missionaula E: number of cannibals.

b: whether the boat is at this side of the

here action takens one missionary cross the vivey - one connible cross the viver. two missionaures cross the univer - two cannibals cross the server. 1m, 1c - one missionary and one the educy. (6) As this, is good Idea for the shepeted state problem to solve with the spor optimal seauch algorithm. for A# , we use herwistic as. number of A got other state BFS will do breadth fist securely (c) pt= will give better siesult as of BPS. with. based on the neumistic Function because with greedy.



Question (05)

the brances.

2, 3, 4,5 will get prouned by apply x-p-pruning as, the better value is given by

tranch 1.