Blank Quiz

Total points 9/10

The respondent's email address (**jaiswal.5@iitj.ac.in**) was recorded on submission of this form.

✓ If U(A)>U(B) it can be concluded that * 1/1

- (●) B less preferable than A ✓
- ( ) A less preferable than B
- ( ) B and A are equally preferable
- ( ) None of the given options

✓ Partially observable environment means * 1/1

- (●) Agent may know the current state ✓
- ( ) Agent does not know the current state
- ( ) Agent should always know the current state
- ( ) Agent should know the future state

✓ The preference constraint 'orderability' signifies, given two choices A and B * 1/1

- ○ A should always be preferred over B
- ○ B should always be preferred over A
- ○ A and B should always be preferred equally
- ◉ Any of the other three options, given here should be followed at a time ✓

✓ Which of the following statement violates the law of transitivity * 1/1

- ○ A preferred over B preferred over C preferred over D preferred over E
- ○ B preferred over A preferred over D preferred over C preferred over E
- ○ C preferred over B preferred over A preferred over D preferred over E
- ◉ D preferred over B preferred over C preferred over D preferred over E ✓

✓ If an agent is indifferent between the choices D, E and F and if p>q then which of the following statement is true: * 1/1

- ○ [p, D; 1-p, A] more preferable [q, E; 1-q, A]
- ○ [p, F; 1-p, A] more preferable [q, E; 1-q, A]
- ○ [p, D; 1-p, A] equally preferable [q, E; 1-q, A]
- ◉ [p, D; 1-p, A] equally preferable [p, E; 1-p, A] ✓

✗ If A, B, C follows continuity with decreasing preferences and p>q>r then which of the following is true * 0/1

- (●) [p, A; 1-p ,C] less preferable [r, A; 1-r ,C] ✗
- ( ) [q, A; 1-q ,B] less preferable [r, A; 1-r ,B]
- ( ) [q, B; 1-q ,C] less preferable [r, B; 1-r ,C]
- ( ) [q, A; 1-q ,C] less preferable [p, A; 1-p ,C]

Correct answer

- (●) [q, A; 1-q ,C] less preferable [p, A; 1-p ,C]

✓ Maximum expected utility s computed upon exacting out the maximum value of expected utility on 1/1

- ( ) Every possible state
- ( ) All the given evidences
- ( ) Every utility functions
- (●) Every possible actions ✓

✓ Agents take decision on * 1/1

- ○ Belief
- ○ Desire
- ◉ Belief and Desire ✓
- ○ Belief and Evidence

Feedback

Belief and Desire

✓ The number with which agent's preference gets quantified is known as: * 1/1

- ○ Expected Utility
- ○ Maximum expected utility
- ◉ Utility function ✓
- ○ Utility constraint

✓ Probability of outcome of state s' from state s upon taking action a and evidence e, in a partially observable environment could be expressed as: * 1/1

- ○ P(Results(s,a)=s'|a, e)
- ○ P(Results(s',a)=s|a, e)
- ◉ P(Results(a)=s'|a, e) ✓
- ○ P(Results(a)=s|a, e)

This form was created inside of IIT Jodhpur.

Google Forms