

## Quiz 2

Total points 7/10 ?

✓ If Utility gets transferred linearly, the behaviour of the agent would \* 1/1

- ☐ Transfer accordingly
- ☒ Remain the same
- ☐ Change randomly
- ☐ Not be predicted



✓ The properties of utility function include \* 1/1

- ☐ Function to map lotteries to real number
- ☐ Axioms to be followed
- ☐ Agent can have any preference
- ☒ All the options given here are true



✓ Which of the following could be an example of monotonic preference \* 1/1

- ☐ Preferring red over blue
- ☐ Preferring hot over cold
- ☒ Preferring life over death
- ☐ Preferring sweet over sour



✓ Preference elicitation is required in decision making systems to \* 1/1

- ☐ Make it enable to take their own decision
- ☐ Make it enable to chose the correct action
- ☐ Make it enable to play a lottery
- ☒ Make it enable to take the agent's decision



✓ Micromort is a unit that quantifies 1/1

- ☐ Value of death rate
- ☐ Value of life risk
- ☒ Chance of death
- ☐ None of the options are true




✓ Let there be a lottery that is being played with a coin toss. Let the award 1/1  
upon receiving head is 1000 \$, whereas upon receiving tail, the player  
has to pay \$400. The EVM of the lottery is \*

- ☐ \$500
- ☐ \$200
- ☒ \$300
- ☐ \$100



✗ Acceptance or decline, which one will you prefer against the lottery? .../3  
Explain your choice mathematically. \*

 Scan Oct 03, 202...

✓ If \$200 is paid to someone to leave this lottery. The insurance premium of the lottery is \* 1/1

- ☐ \$0
- ☒ \$100
- ☐ \$300
- ☐ \$200



This form was created inside of Indian Institute of Technology Jodhpur.

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