MAI - 7568 HI HS5#I
QUESTION#1:
The Turing Test is a test of machine's ability to exhibit intelligent behavior that is indistinguishable from that
intelligent behavior that is indistinguishable from that
of a human.
One of the objections in his paper is "systems coply"
which argues that the test only proves the intelligence
of the system as a whole rather than the machine
> Itself Ire: the intelligence of the machine is also based
on its developers mind.
Turing refuted this objection replying that the whole
system can still be considered intelligent and the
machines ability to generate such responses is enough
evidence regardless of the distribution of intelligence in
the system.
New objections involve the consideration that the turing
test is too nanow in the definition of intelligence as
there are more aspects such as creativity not captured
by the test.
Although, even after the significant advancements in
technology, any machine is still yet to pass the test.
QUESTION#2:
1) Yes, Forpheus is an example.
3) Yes, Jack is an example.
2) Yes, Tesla cais
E) Yes, ROSS mtelligence.
7) Yes, Google Translate.
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Dated: _____

QUESTION #3:

Agent => Sudoka Solver Single agent Deterministic => Yes

Episodic => No

Static => Yes

Continuous => No

A model based or goal based agent is best for this domain that use search algorithms to find valid sudoku boards and reach the goal.

QUESTION#4:

4) Playing soccer
Performance Measure => winning the game , successfull passes

Environment => soccer field

Actualors => Mechanical parts to run, kick, jump

Sensors => camea, auditory stactile sensus.

2) Exploring subsulface of Acabian sea

Performance Measure => mapping seaflow, volcanoes, canyons

Environment => Arabian sea

Actuators => Remotely operated wehicle (ROV), comera, lights .

Sensols => Camera, lights, sonar, samplers

3) Playing a Tennis match

PM => Winning, serves, volleys, groundstrokes, returns

E => Tennis court

A => Running, walking siumping, swinging

S => camera, auditory, toctile sensors

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Dated:
4) Performing a high jump
PM=> clearing the bairheight
E=> jump pit
A => running, walking, jumping
S => camera , tactile sensurs.
5) Bidding an item at an auction
PM => winning the item, avoid overbidding
E => Auction house
A => submit a bid
S => Vision camera, Lactile sensors
DUESTION # 5:
1) True, because one can't be rational without knowing
) completely.
2) True, since reflex agents just map responses to conditions
they can't be tational.
3) No, there is not a task environment where every agent
is rational.
4) No, the input to an agent program involves the perce,
and datastructures while an agent function only
recieves the carrent percept of the environment.
5) No, not every agent implementation is possible because we are still limited by our hardware and
we are still limited by our hardware and
Programming languages.