



# Grand Quiz Spring 2021

Subject Code CS607 lecture 1 to 22

Solved By Riz Mughal



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<https://www.facebook.com/groups/923887914750307>



<https://www.youtube.com/channel/UCINsFwDiB62SValCcPDZbRQ/playlists>

## Dear Viewers:

I'm providing 100% correct quiz solution. You can visit my YouTube channel and get more information about all other subjects' quizzes and final year project (CS619).


RIZ MUGHAL (SQA ENGINEER)

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Question # 1 of 30 ( Start time: 09:35:58 AM, 01 July 2021 )

Relationships between objects and concepts represent which type of knowledge?

Select the correct option

- |                                  |             |
|----------------------------------|-------------|
| <input type="radio"/>            | Heuristic   |
| <input checked="" type="radio"/> | Structural  |
| <input type="radio"/>            | Declarative |
| <input type="radio"/>            | Meta        |
- 

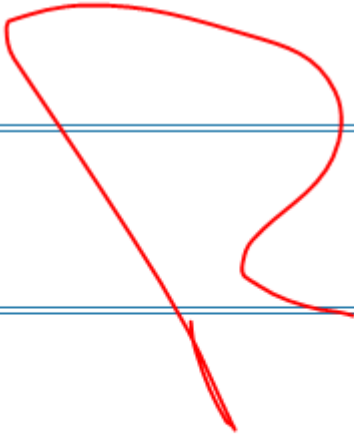
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Question # 2 of 30 ( Start time: 09:36:27 AM. 01 July 2021 )

A Personal Consultant knowledge base contain information in the form of \_\_\_\_\_

Select the correct option

<input type="radio"/>	Rules
<input type="radio"/>	Facts
<input type="radio"/>	Errors
<input checked="" type="radio"/>	Parameters

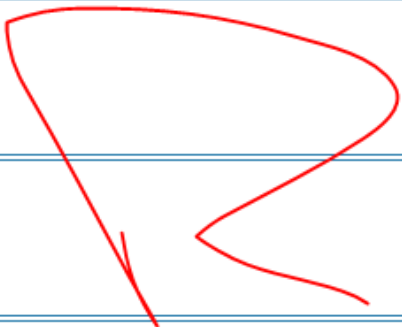


Question # 3 of 30 ( Start time: 09:36:42 AM, 01 July 2021 )

Total Mar

In \_\_\_\_\_ search, rather than trying all possible search paths, we focus on paths that seem to be getting closer to goal state using some kind of "guide".

Select the correct option

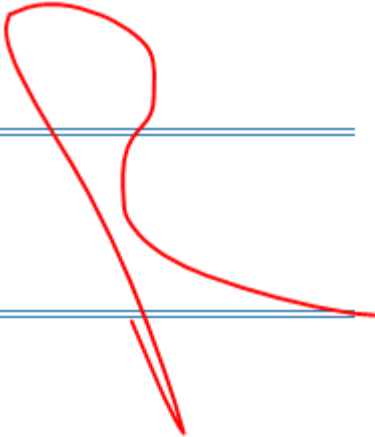
- |                                  |                       |
|----------------------------------|-----------------------|
| <input type="radio"/>            | Depth first           |
| <input type="radio"/>            | Uninformed            |
| <input checked="" type="radio"/> | Heuristic             |
| <input type="radio"/>            | Progressive deepening |
- 

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Question # 4 of 30 ( Start time: 09:37:00 AM, 01 July 2021 )

Answering the Sequence Problem need

Select the correct option

- |                                  |                      |
|----------------------------------|----------------------|
| <input type="radio"/>            | Machine learning     |
| <input type="radio"/>            | Ability to schedule  |
| <input type="radio"/>            | Ability to make plan |
| <input checked="" type="radio"/> | Intelligence         |
- 

Question # 5 of 30 ( Start time: 09:37:30 AM, 01 July 2021 )

Genetic algorithm start with the population of randomly generated, attempted solutions to a problem and repeatedly do the following except\_

Select the correct option

- evaluate each attempted solutions
- produce next generation using inheritance and mutation.
- keep the best solutions
- perform non parallel search


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Question # 6 of 30 ( Start time: 09:37:58 AM, 01 July 2021 )

If Alpha implies beta is true and beta is known to be not true, then alpha could not have been true. This rule refers to:

Select the correct option

<input type="radio"/>	Modus ponens
<input checked="" type="radio"/>	Modus tolens
<input type="radio"/>	And-Elimination
<input type="radio"/>	And-Introduction



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Question # 7 of 30 ( Start time: 09:38:14 AM, 01 July 2021 )

The traveling inside a solution space requires something called as \_\_\_\_\_.

Select the correct option

- |                                  |                |
|----------------------------------|----------------|
| <input type="radio"/>            | Space solution |
| <input type="radio"/>            | Operands       |
| <input checked="" type="radio"/> | Operators      |
| <input type="radio"/>            | Inner solution |

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Question # 8 of 30 ( Start time: 09:38:31 AM, 01 July 2021 )

Total Marks: 1

Within an expert system, the \_\_\_\_\_ contains facts about a specific subject area and rules that express the reasoning procedures of an expert on the subject.

Select the correct option

- Knowledge base
  - Inference engine
  - Knowledge engineer
  - inference logic
- 

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Question # 9 of 30 ( Start time: 09:38:48 AM, 01 July 2021 )

What is Artificial Intelligence?

Select the correct option

- |                                  |   |
|----------------------------------|---|
| <input type="radio"/>            | Programming with your intelligence      |
| <input checked="" type="radio"/> | Making a Machine intelligent            |
| <input type="radio"/>            | Playing a Game                          |
| <input type="radio"/>            | Putting your intelligence into Computer |

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Question # 10 of 30 ( Start time: 09:39:04 AM, 01 July 2021 )

\_\_\_\_\_ can be viewed as the processor in an expert system.

Select the correct option

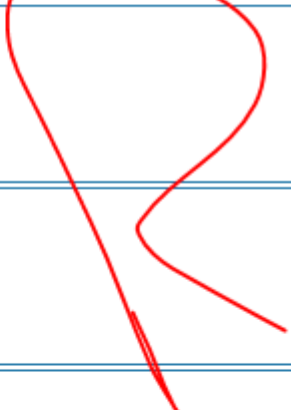
- |                                  |                  |
|----------------------------------|------------------|
| <input type="radio"/>            | Knowledge base   |
| <input type="radio"/>            | Working memory   |
| <input checked="" type="radio"/> | Inference engine |
| <input type="radio"/>            | System memory    |

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Question # 11 of 30 ( Start time: 09:39:25 AM, 01 July 2021 )

Using deduction to reach a conclusion from a set of antecedents is called:

Select the correct option


- |                                  |                      |
|----------------------------------|----------------------|
| <input type="radio"/>            | Forward propagation  |
| <input type="radio"/>            | Backward propagation |
| <input type="radio"/>            | Backward chaining    |
| <input checked="" type="radio"/> | Forward chaining     |
- 

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Question # 12 of 30 ( Start time: 09:39:42 AM, 01 July 2021 )

Rule, which may have a priority in expert systems, is called

Select the correct option

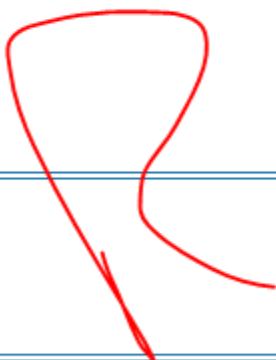
- |                                  |                          |
|----------------------------------|--------------------------|
| <input checked="" type="radio"/> | Meta rule                |
| <input type="radio"/>            | Conflict resolution rule |
| <input type="radio"/>            | backward chain rule      |
| <input type="radio"/>            | Forward chain rule       |
- 

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Question # 13 of 30 ( Start time: 09:40:00 AM, 01 July 2021 )

For  $[5, 7]$  and the data points  $(1, 10)$  and  $(2, 13)$ , then what will be the value of badness?

Select the correct option

- |                                  |    |
|----------------------------------|----|
| <input type="radio"/>            | 12 |
| <input type="radio"/>            | 22 |
| <input checked="" type="radio"/> | 20 |
| <input type="radio"/>            | 24 |
- 

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Question # 14 of 30 ( Start time: 09:40:23 AM, 01 July 2021 )

In the min max procedure, the player hoping for the positive numbers is called \_\_\_\_\_.

Select the correct option


- |                                  |            |
|----------------------------------|------------|
| <input type="radio"/>            | minimizer  |
| <input checked="" type="radio"/> | maximizer  |
| <input type="radio"/>            | analyzer   |
| <input type="radio"/>            | researcher |

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Question # 15 of 30 ( Start time: 09:40:48 AM, 01 July 2021 )

In Breadth-First Search, how many times a node is visited?

Select the correct option

- |                                  |   |
|----------------------------------|---|
| <input type="radio"/>            | Twice   |
| <input checked="" type="radio"/> | Equivalent to number of in-degree of the node |
| <input type="radio"/>            | Once  |
| <input type="radio"/>            | Thrice  |
- 




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Question # 16 of 30 ( Start time: 09:41:25 AM, 01 July 2021 )

\_\_\_\_\_ AI treats the brain as a black box and just emulates its functionality.

Select the correct option

<input type="radio"/>	Strong
<input checked="" type="radio"/>	Weak
<input type="radio"/>	Weak and Strong
<input type="radio"/>	Intermediate

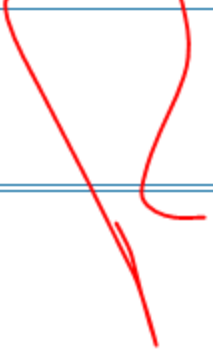


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Question # 17 of 30 ( Start time: 09:41:41 AM, 01 July 2021 )

Where do the values of the alpha-beta search get updated?

Select the correct option


- |                                  |                          |
|----------------------------------|--------------------------|
| <input type="radio"/>            | At the end               |
| <input checked="" type="radio"/> | Along the path of search |
| <input type="radio"/>            | At the beginning         |
| <input type="radio"/>            | Initial state itself     |
- 

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Question # 18 of 30 ( Start time: 09:42:06 AM, 01 July 2021 )

A fact or proposition is divided into two parts and are represented as \_\_\_\_\_.

Select the correct option


- |                                  |                        |
|----------------------------------|------------------------|
| <input type="radio"/>            | object and logic       |
| <input type="radio"/>            | reasoning and variable |
| <input type="radio"/>            | algebra and calculus   |
| <input checked="" type="radio"/> | predicate and argument |
- 

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Question # 19 of 30 ( Start time: 09:42:28 AM, 01 July 2021 )

The conference that launched the AI revolution in 1956 was held at?

Select the correct option

- |                                  |           |
|----------------------------------|-----------|
| <input checked="" type="radio"/> | Dartmouth |
| <input type="radio"/>            | New York  |
| <input type="radio"/>            | Harvard   |
| <input type="radio"/>            | Stanford  |
- 

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Question # 20 of 30 ( Start time: 09:42:51 AM, 01 July 2021 )

"Focused area of expertise" in human experts is referred to as \_\_\_\_\_ in expert systems

Select the correct option

- |                                  |                  |
|----------------------------------|------------------|
| <input checked="" type="radio"/> | Domain           |
| <input type="radio"/>            | Inference engine |
| <input type="radio"/>            | Knowledge        |
| <input type="radio"/>            | Reasoning        |

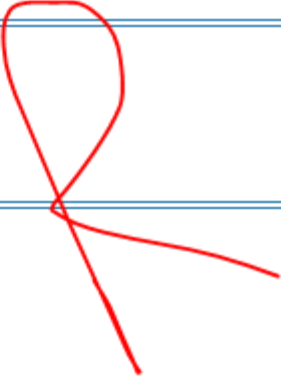
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Question # 21 of 30 ( Start time: 09:43:05 AM, 01 July 2021 )

What will be the output when we will remove arrow?  
A -> B

Select the correct option

<input checked="" type="radio"/>	$\sim A \vee B$
<input type="radio"/>	$\sim A \vee \sim B$
<input type="radio"/>	$\sim A \text{ AND } B$
<input type="radio"/>	$A \vee \sim B$

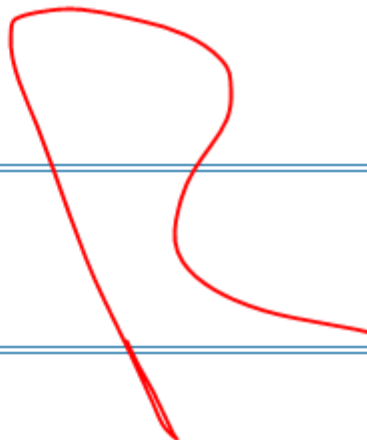


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Question # 22 of 30 ( Start time: 09:43:49 AM, 01 July 2021 )

Which values are independent in the minimax search algorithm?

Select the correct option

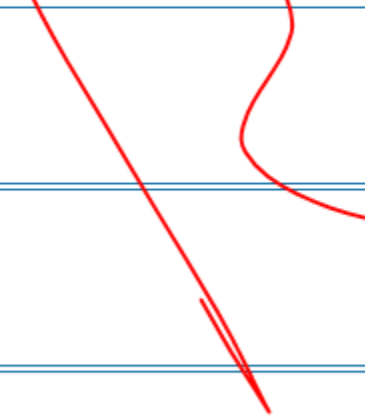
- |                                  |                           |
|----------------------------------|---------------------------|
| <input type="radio"/>            | Root is independent       |
| <input type="radio"/>            | Non pruned leaves         |
| <input type="radio"/>            | Every state are dependent |
| <input checked="" type="radio"/> | Pruned leaves x and y     |
- 

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Question # 23 of 30 ( Start time: 09:44:08 AM, 01 July 2021 )

Which searching technique gives us a better solution every time.

Select the correct option

- |                                  |                    |
|----------------------------------|--------------------|
| <input type="radio"/>            | optimal path       |
| <input type="radio"/>            | blind/uninformed   |
| <input type="radio"/>            | path/non-optimal   |
| <input checked="" type="radio"/> | informed/heuristic |
- 

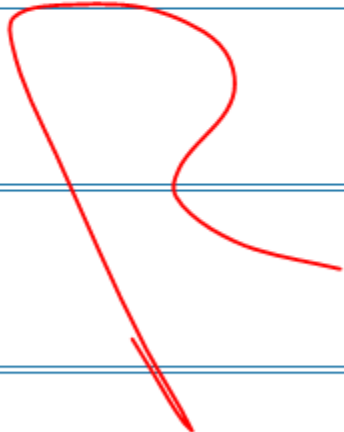


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Question # 24 of 30 ( Start time: 09:44:24 AM, 01 July 2021 )

Variation in the offspring's(children) of the individuals are due to \_\_\_\_\_.

Select the correct option

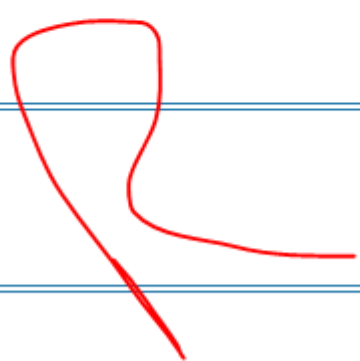
- |                                  |                               |
|----------------------------------|-------------------------------|
| <input checked="" type="radio"/> | Both mutation and inheritance |
| <input type="radio"/>            | crossover                     |
| <input type="radio"/>            | Mutation                      |
| <input type="radio"/>            | Inheritance                   |
- 

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Question # 25 of 30 ( Start time: 09:44:40 AM, 01 July 2021 )

The ability to understand things without explicitly programmed a computer is called?

Select the correct option

- |                                  |                         |
|----------------------------------|-------------------------|
| <input type="radio"/>            | Artificial Intelligence |
| <input checked="" type="radio"/> | Machine learning        |
| <input type="radio"/>            | Fuzzy logic             |
| <input type="radio"/>            | Deep learning           |
- 

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Question # 26 of 30 ( Start time: 09:44:56 AM, 01 July 2021 )

Genetic algorithm use \_\_\_\_\_.

Select the correct option


- |                                  |                     |
|----------------------------------|---------------------|
| <input type="radio"/>            | pipelining          |
| <input type="radio"/>            | sequential approach |
| <input checked="" type="radio"/> | parallel approach   |
| <input type="radio"/>            | heuristic approach  |

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Question # 27 of 30 ( Start time: 09:45:14 AM, 01 July 2021 )

A statement in conjunctive normal form (CNF) consists of \_\_\_\_\_

Select the correct option

- |                                  |             |
|----------------------------------|-------------|
| <input type="radio"/>            | Ors         |
| <input type="radio"/>            | ANDs        |
| <input checked="" type="radio"/> | ANDs of Ors |
| <input type="radio"/>            | Ors of ANDs |
- 

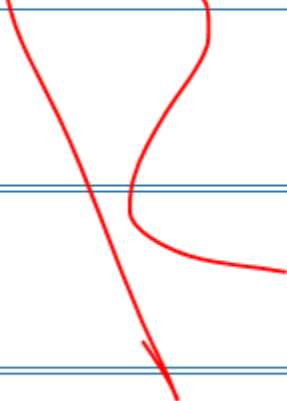
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Question # 28 of 30 ( Start time: 09:45:29 AM, 01 July 2021 )

In intelligence to solve the trivial problems we use \_\_\_\_\_ approach.

Select the correct option

<input checked="" type="radio"/>	hit and trial
<input type="radio"/>	dynamic programming
<input type="radio"/>	trial and error
<input type="radio"/>	divide and conquer




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Question # 29 of 30 ( Start time: 09:45:43 AM, 01 July 2021 )

Which of the following is not the main phase of the linear sequence?

Select the correct option

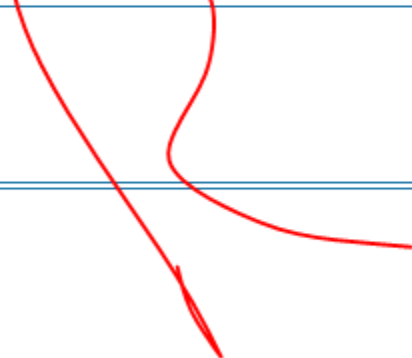
- |                                  |                         |
|----------------------------------|-------------------------|
| <input type="radio"/>            | System evaluation       |
| <input type="radio"/>            | Code                    |
| <input checked="" type="radio"/> | Requirement engineering |
| <input type="radio"/>            | Planning                |
- 

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Question # 30 of 30 ( Start time: 09:45:57 AM, 01 July 2021 )

The Data structure used in the standard implementation of Depth-First Search is?

Select the correct option

- |                                  |             |
|----------------------------------|-------------|
| <input checked="" type="radio"/> | recursion   |
| <input type="radio"/>            | Linked List |
| <input type="radio"/>            | Stack       |
| <input type="radio"/>            | Queue       |
- 



# Thank you for watching

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RIZ MUGHAL (SQA ENGINEER)