| In Genetic Algorithms |
| --- |
|  |
| | **Options:** | | --- | | A successor state is generated by combining two parent states | | Higher value of fitness function represents better state | | Produce the next generation of states by selection, crossover, and mutation | | All of above | |

| For successful Heuristic Search: (only one of the options is correct |
| --- |
|  |
| | **Options:** | | --- | | Exact cost through each of the path must be known | | Exact cost through most optimal path must be known | | Any function which is indicative of remaining cost is needed. | | Any function which is indicative of current cost (cost already incurred) is needed | |  | |  | |

| You can define the Fringe node as |
| --- |
|  |
| | **Options:** | | --- | | Very first node in a search | | Node which does not have any child | | Nodes that have not been expanded yet | | Nodes that are part of pruned tree | |  | |  | |

| In Statistical models, compared to Machine Learning models, computational needs are generally |
| --- |
|  |
| | **Options:** | | --- | | Shortened | | Similar | | Detailed | | None of the Above | |

| **uestion No: 5** |
| --- |
| Turing Test is aimed at proving that a computer (machine) |
|  |
| | **Options:** | | --- | | Acts like human | | Thinks like human | | Acts rationally | | D. Thinks rationally | |  | |  | |

| What were original 3Vs of Big Data? |
| --- |
|  |
| | **Options:** | | --- | | A. Volume, Value and Variety | | B. Volume, Variety and Veracity | | C. Volume, Velocity and Variety | | D. Volume, Value and Veracity | |

| Self-driving cars and virtual assistants, like Siri are examples of |
| --- |
|  |
| | **Options:** | | --- | | Weak AI | | Strong AI | | Both ! & 2 | | None | |

| Large Neural Networks with more than 100 layers are true replica of human brain. |
| --- |
|  |
| | **Options:** | | --- | | True | | False | | Either True or False | | Neither True Nor False | |

| n Unsupervised learning \_\_\_\_\_\_\_\_\_\_\_\_ |
| --- |
|  |
| | **Options:** | | --- | | Specific output values are given | | Specific output values are not given | | No specific Inputs are given | | Both inputs and outputs are given | |  | |  | |

| |  | | Copyright © 2009-201 | | --- | | | --- | --- | --- | |
| --- | --- | --- | --- |

| | How is Fuzzy Logic different from conventional control methods? | | --- | |  | | | **Options:** | | --- | | IF and THEN Approach | | FOR Approach | | WHILE Approach | | DO Approach | |  | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

| | **Question No: 11** | | --- | | The term \_\_\_\_\_\_\_\_\_\_\_ is used for a depth-first search that chooses values for one variable at a time and returns when a variable has no legal values left to assign. | |  | | | **Options:** | | --- | | Forward search | | Backtrack search | | Hill algorithm | | Reverse-Down-Hill search | |  | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

| Which of the Following problems can be modeled as CSP? |
| --- |
|  |
| | **Options:** | | --- | | 8-Puzzle problem | | 8-Queen problem | | Map coloring problem | | All of the mentioned | |

| What is Artificial Intelligence? |
| --- |
|  |
| | **Options:** | | --- | | Artificial Intelligence is a field that aims to make humans more intelligent | | Artificial Intelligence is a field that aims to improve the security | | Artificial Intelligence is a field that aims to develop intelligent machines | | Artificial Intelligence is a field that aims to mine the data | |

| **estion No: 14** |
| --- |
| For self-driving car, which one is not a performance factor? |
|  |
| | **Options:** | | --- | | Safety | | Steering | | Smoothness of operations | | Swift transitions | |  | |  | |

| Which one is not a type of agent in AI terminology? |
| --- |
|  |
| | **Options:** | | --- | | Simple Reflex Agent | | Clearing Agent | | Goal-based Agent | | Learning Agent | |

| **uestion No: 16** |
| --- |
| Uninformed search is |
|  |
| | **Options:** | | --- | | More Complex | | Quick Solution | | Less Complex | | Guarantees the Best Solution | |  | |  | |

| What is Deep Web? |
| --- |
|  |
| | **Options:** | | --- | | Part of World Wide Web that is multiple layers deep | | Part of World Wide Web that is indexed by search engines | | Part of World Wide Web that is not indexed by search engines | | Part of World Wide Web that is accessible to Deep Neural Networks | |

| While designing a board game what learning technique will you use? |
| --- |
|  |
| | **Options:** | | --- | | Supervised learning | | Unsupervised learning | | Reinforcement learning | | All of The Above | |

| Which one of the following sentence is correct? |
| --- |
|  |
| | **Options:** | | --- | | Artificial Intelligence is a broader concept; it includes Machine Learning and Deep learning | | Machine Learning is a broader concept; it includes Artificial Intelligence and Deep learning. | | Both | | None | |

| Culling is |
| --- |
|  |
| | **Options:** | | --- | | Mutation of states | | State with highest non attacking pairs | | Cross Over of states | | Ignore the states below threshold | |