



Technical Test Result

DESCRIPTION	STATUS
Attempted Questions	15
Blank Answer	0
Basic Correct	13
Optional Correct	0

1. Which search method takes less memory

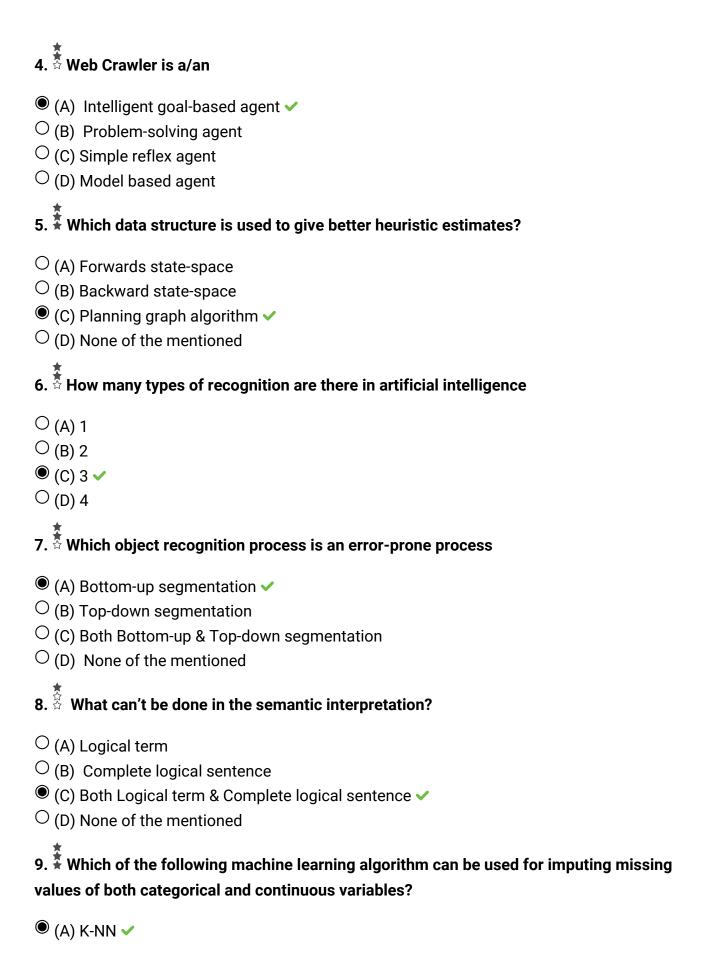
- (A) Depth-First search
- (B) Breadth-First serach 🗸
- O(C) Linear Search
- O(D) Optimal Search

2. Which algorithm is used for solving temporal probabilistic reasoning?

- (A) Hill-climbing search
- (B) Hidden markov model
- O(C) Depth-first search
- O(D) Breadth-first search

3. ★ Where does the Hidden Markov Model is used?

- (A) Speech recognition
 ✓
- $^{ extsf{O}}$ (B) Understanding of real world
- O(C) Both Speech recognition & Understanding of real world
- O(D) None of the mentioned



○ (B) Linear Regression○ (C) Logistic Regression○ (D)
10. In k-NN it is very likely to overfit due to the curse of dimensionality. Which of the following option would you consider to handle such problem?
 ○ (A) Dimensionality ○ (B) Feature selection ● (C) A and B ✓ ○ (D) None of these
11. Which of the following algorithm doesn't uses learning Rate as of one of its hyperparameter?
 (A) Random Forest ✓ (B) Gradient Boosting (C) AdaBoost (D)
12. When you use the boosting algorithm you always consider the weak learners. Which of the following is the main reason for having weak learners?
 (A) To prevent overfitting (B) To prevent under fitting (C) To prevent overfitting and underfitting (D) None of these
13. A perceptron is:
 (A) a single layer feed-forward neural network with pre-processing ✓ (B) an auto-associative neural network (C) a double layer auto-associative neural network (D) a neural network that contains feedback
14. A 4-input neuron has weights 1, 2, 3 and 4. The transfer function is linear with the constant of proportionality being equal to 2. The inputs are 4, 10, 5 and 20 respectively. The output will be:

- (A) 238
 ✓
- O(B) 76
- O(C) 119
- O(D) 123

15. Tone of the main challenge/s of NLP Is _

- \circ (A) Handling Ambiguity of Sentences \checkmark
- (B) Handling Tokenization
- (C) Handling POS-Tagging
- (D) All of the mentioned