Technical Test Result

DESCRIPTION	STATUS
Attempted Questions	15
Blank Answer	0
Basic Correct	12
Optional Correct	0

1. ★ Which search method takes less memory

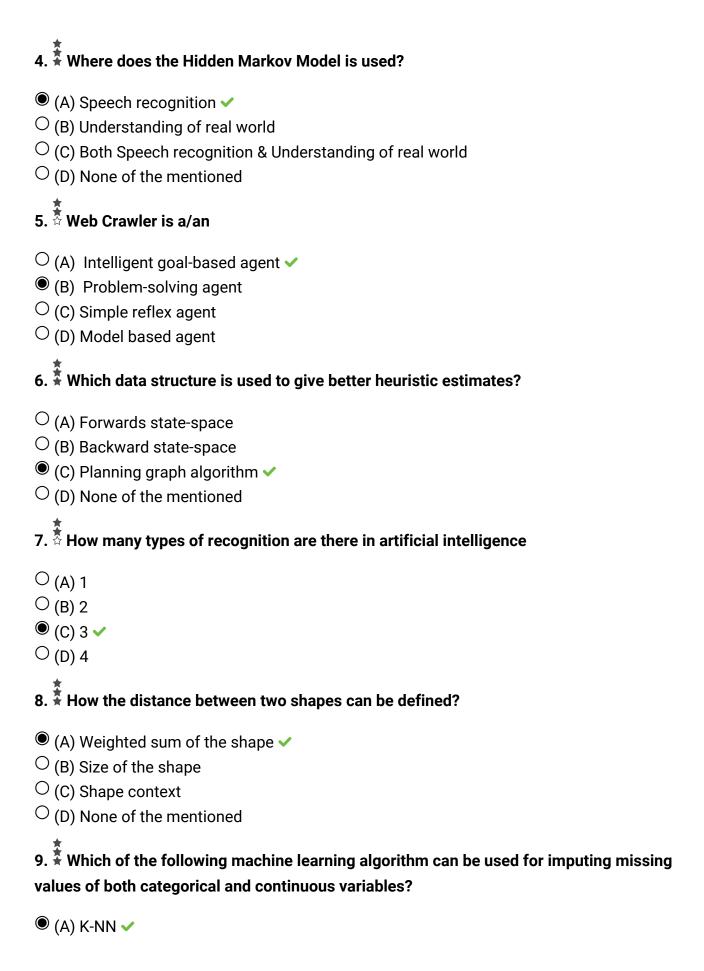- ⦿ (A) Depth-First search
- ○ (B) Breadth-First serach ✔
- ○ (C) Linear Search
- ○ (D) Optimal Search

2. ★ Which condition is used to influence a variable directly by all the others?

- ○ (A) Partially connected
- ⦿ (B) Fully connected ✔
- ○ (C) Local connected
- ○ (D) None of the mentioned

3. ★ Which algorithm is used for solving temporal probabilistic reasoning?

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

4. ⭐ **Where does the Hidden Markov Model is used?**

⦿ (A) Speech recognition ✔
○ (B) Understanding of real world
○ (C) Both Speech recognition & Understanding of real world
○ (D) None of the mentioned

5. ⭐ **Web Crawler is a/an**

○ (A) Intelligent goal-based agent ✔
⦿ (B) Problem-solving agent
○ (C) Simple reflex agent
○ (D) Model based agent

6. ⭐ **Which data structure is used to give better heuristic estimates?**

○ (A) Forwards state-space
○ (B) Backward state-space
⦿ (C) Planning graph algorithm ✔
○ (D) None of the mentioned

7. ⭐ **How many types of recognition are there in artificial intelligence**

○ (A) 1
○ (B) 2
⦿ (C) 3 ✔
○ (D) 4

8. ⭐ **How the distance between two shapes can be defined?**

⦿ (A) Weighted sum of the shape ✔
○ (B) Size of the shape
○ (C) Shape context
○ (D) None of the mentioned

9. ⭐ **Which of the following machine learning algorithm can be used for imputing missing values of both categorical and continuous variables?**

⦿ (A) K-NN ✔

○ (B) Linear Regression
○ (C) Logistic Regression
○ (D)

10. ☆ **Which of the following is true about Manhattan distance?**

◉ (A) It can be used for continuous variables ✔
○ (B) It can be used for categorical variables
○ (C) It can be used for categorical as well as continuous
○ (D) None of these

11. ☆ **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

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. ☆ **What is true regarding backpropagation rule?**

◉ (A) it is a feedback neural network
○ (B) actual output is determined by computing the outputs of units for each hidden layer
✔
○ (C) hidden layers output is not all important, they are only meant for supporting input and output layers
○ (D) none of the mentioned

14. ☆ **p(s=1|x) = 1/(1+exp(-x/T))) ,where 's' is the output given the activation 'x' is a?**

○ (A) hopfield network
○ (B) sigma network

● (C) stochastic network ✔

○ (D) none of the mentioned

15. ⭐ One of the main challenge/s of NLP Is _

● (A) Handling Ambiguity of Sentences ✔

○ (B) Handling Tokenization

○ (C) Handling POS-Tagging

○ (D) All of the mentioned