



Technical Test Result

DESCRIPTION	STATUS
Attempted Questions	15
Blank Answer	0
Basic Correct	6
Optional Correct	0

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1. ★	Which algorithm is used for solving	na temborai b	ropabilistic r	easoning?

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

2. Web Crawler is a/an

- (B) Problem-solving agent
- (C) Simple reflex agent
- \bigcirc (D) Model based agent

3. Which data structure is used to give better heuristic estimates?

- O (A) Forwards state-space
- (B) Backward state-space
- (C) Planning graph algorithm 🗸
- O (D) None of the mentioned

4. How many types of recognition are there in artificial intelligence
○ (A) 1 ○ (B) 2 ● (C) 3 ✓
○ (D) 4
5. Which object recognition process is an error-prone process
 ○ (A) Bottom-up segmentation ○ (B) Top-down segmentation ● (C) Both Bottom-up & Top-down segmentation ○ (D) None of the mentioned
6. ♣ 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
7. 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)
8. 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
9. Which of the following statements is true for k-NN classifiers?

 ○ (A) The classification accuracy is better with larger values of k ○ (B) The decision boundary is smoother with smaller values of k ○ (C) The decision boundary is linear
10. 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)
11. 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
12. 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 ✓ ○ (B) 76 ● (C) 119 ○ (D) 123
13. A What consist of boltzman machine?
 ○ (A) fully connected network with both hidden and visible units ○ (B) asynchronous operation ○ (C) stochastic update ● (D) all of the mentioned ✓
14. The state 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
15. Morphological Segmentation
○ (A) Does Discourse Analysis
\bigcirc (B) Separate words into individual morphemes and identify the class of the morphemes
(C) Is an extension of propositional logic
(D) None of the mentioned