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WEB | MOBILE | DIGITAL SOLUTIONS

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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. 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

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 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
◉ (D) k-NN does not require an explicit training step ✔

11. k-NN does not require an explicit training step

○ (A) Both methods can be used for classification task and regression task ✔
○ (B) 1. Random Forest is use for classification whereas Gradient Boosting is use for regression task
○ (C) 1. Random Forest is use for regression whereas Gradient Boosting is use for Classification task
◉ (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 ✔
○ (B) 76
○ (C) 119
○ (D) 123

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