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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	9
Optional Correct	0

1. Artificial intelligence is

○ (A) the embodiment of human intellectual capabilities within a computer.
○ (B) a set of computer programs that produce output that would be considered to reflect intelligence if it were generated by humans.
○ (C) the study of mental faculties through the use of mental models implemented on a computer.
◉ (D) All of the above ✔

2. Which search method takes less memory

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

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 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. 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 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

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. 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 ✔

15. Morphological Segmentation

○ (A) Does Discourse Analysis
◉ (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