Technical Test Result

DESCRIPTION	STATUS
Attempted Questions	9
Blank Answer	6
Basic Correct	1
Optional Correct	0
Level	2
What else you are good at?	Data Science

1. 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 above

Entered Answer: A

Correct Answer: B

2. ✯ 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

Entered Answer: A

Correct Answer: B

3. ✯ Web Crawler is a/an

(A) Intelligent goal-based agent

(B) Problem-solving agent

(C) Simple reflex agent

(D) Model based agent

Entered Answer: A

Correct Answer: A

4. ✯ How many types of recognition are there in artificial intelligence?

(A) 1

(B) 2

(C) 3

(D) 4

Entered Answer: N/A

Correct Answer: C

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 above

Entered Answer: N/A

Correct Answer: A

6. ⭐ **What can be represented by using histograms or empirical frequency distributions?**

(A) Words

(B) Color

(C) Texture

(D) Both Color & Texture

Entered Answer: N/A

Correct Answer: D

7. ⭐ **What can't be done in the semantic interpretation?**

(A) Logical term

(B) Complete logical sentence

(C) Both Logical term & Complete logical sentence

(D) None of the above

Entered Answer: A

Correct Answer: C

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 the above

Entered Answer: A

Correct Answer: C

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

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

Entered Answer: A

Correct Answer: D

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

Entered Answer: N/A

Correct Answer: A

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 over fitting

(B) To prevent under fitting

(C) To prevent over fitting and under fitting

(D) None of the above

Entered Answer: N/A

Correct Answer: A

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

Entered Answer: N/A

Correct Answer: A

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 above

Entered Answer: A

Correct Answer: B

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 above

Entered Answer: A

Correct Answer: C

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 above

Entered Answer: A

Correct Answer: B