Started on	Monday, 19 April 2021, 9:42 AM
State	Finished
Completed on	Monday, 19 April 2021, 9:48 AM
Time taken	6 mins 6 secs
Grade	**70.00** out of 100.00

Question **1**

Incorrect

Mark 0.00 out of 10.00

Concept learning inferred a _____ valued function from training examples of its input and output.

Select one:

- **a. Decimal**
- **b. Hexadecimal**
- **c. Boolean**
- **d. All of the above**

Your answer is incorrect.

The correct answer is: Boolean

Question 2

Correct

Mark 10.00 out of 10.00

FIND-S algorithm starts from the most specific hypothesis and generalize it by considering only

Select one:

- a. Negative
- b. Positive

- c. Negative or Positive
- d. None of the Above

Your answer is correct.

The correct answer is: Positive

Question 3

Correct

Mark 10.00 out of 10.00

The Candidate-Elimination Algorithm represents the

Select one:

- a. **Solution Space**
- b. **Version Space**

- c. **Elimination Space**
- d. **All of the above**

Your answer is correct.

The correct answer is: Version Space

Question 4

Correct

Mark 10.00 out of 10.00

Inductive Learning is based on the knowledge that if something happens a lot it is likely to be generally

Select one:

- **True**
- **False**

The correct answer is 'True'.

Question **5**

Correct

Mark 10.00 out of 10.00

Inductive learning takes examples and generalizes rather than starting with _____

Select one:

- **a. Inductive**
- **b. Existing**

- **c. Deductive**
- **d. None of these**

Your answer is correct.

The correct answer is: Existing

Question 6

Correct

Mark 10.00 out of 10.00

FIND-S algorithm ignores _____ examples.

Select one:

- **a. Negative**

- **b. positive**
- **c. Both a and b**
- **d. None of the above**

Your answer is correct.

The correct answer is: Negative

Question 7

Correct

Mark 10.00 out of 10.00

A drawback of the FIND-S is that it assumes the consistency within the training set

Select one:

- **True**
- **False**

The correct answer is 'True'.

Question 8

Incorrect

Mark 0.00 out of 10.00

Consider below training examples in which first five are input attributes and last one is target concept c(x),

I. (some, small, no, affordable, one: **No**)

II. (many, big, no, expensive, many: **Yes**)

Which of the following hypothesis are consistent to above given training examples.

Select one:

- **a. h=(?, ?, no, ?, many)**
- **b. h=(some, small, ?,?,?)**
- **c. Both a and b**

- **d. None of the above**

Your answer is incorrect.

The correct answer is: h=(?, ?, no, ?, many)

Question 9

Correct

Mark 10.00 out of 10.00

Version space is not the subset of hypothesis from H consistent with the training example in D.

Select one:

- True
- **False**

The correct answer is 'False'.

Question **10**

Incorrect

Mark 0.00 out of 10.00

_____ training examples are required to get correct target concept if by each example version space (VS) size is reduced by half.

Select one:

- **a. $\log_2(VS)$**
- **b. $(VS)^2$**
- **c. (VS)/2**

- **d. None of the above**

Your answer is incorrect.

The correct answer is: $\log_2(VS)$