**MCQ-1**

1. What is Machine learning?

a) The autonomous acquisition of knowledge through the use of computer programs

b) The autonomous acquisition of knowledge through the use of manual programs

c) The selective acquisition of knowledge through the use of computer programs

d) The selective acquisition of knowledge through the use of manual programs

2. Which of the factors affect the performance of learner system does not include?

a) Representation scheme used

b) Training scenario

c) Type of feedback

d) Good data structures

3. Different learning methods does not include?

a) Memorization

b) Analogy

c) Deduction

d) Introduction

4. In language understanding, the levels of knowledge that does not include?

a) Phonological

b) Syntactic

c) Empirical

d) Logical

5. A model of language consists of the categories which does not include?

a) Language units

b) Role structure of units

c) System constraints

d) Structural units

6. What is a top-down parser?

a) Begins by hypothesizing a sentence (the symbol S) and successively predicting lower level constituents until individual preterminal symbols are written

b) Begins by hypothesizing a sentence (the symbol S) and successively predicting upper level constituents until individual preterminal symbols are written

c) Begins by hypothesizing lower level constituents and successively predicting a sentence (the symbol S)

d) Begins by hypothesizing upper level constituents and successively predicting a sentence (the symbol S)

7. Among the following which is not a horn clause?

a) p

b) Øp V q

c) p → q

d) p → Øq

8. The action ‘STACK(A, B)’ of a robot arm specify to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a) Place block B on Block A

b) Place blocks A, B on the table in that order

c) Place blocks B, A on the table in that order

d) Place block A on block B

9. A multiple regression model has

a)only one independent variable

b)more than one dependent variable

c)more than one independent variable

d)none of the above

10. Which statement is true about prediction problems?

a)The output attribute must be categorical.

b)The output attribute must be numeric.

c)The resultant model is designed to determine future outcomes.

d)The resultant model is designed to classify current behavior.

11. Which of the following is the valid component of the predictor?

a) data

b) question

c) algorithm

d) all of the mentioned

12.

Point out the wrong statement.

a) In Sample Error is also called generalization error

b) Out of Sample Error is the error rate you get on the new dataset

c) In Sample Error is also called resubstitution error

d) All of the mentioned

13. Which of the following is correct order of working?

a) questions->input data ->algorithms

b) questions->evaluation ->algorithms

c) evaluation->input data ->algorithms

d) all of the mentioned

14. Which of the following shows correct relative order of importance?

a) question->features->data->algorithms

b) question->data->features->algorithms

c) algorithms->data->features->question

d) none of the mentioned

15.

5. Point out the correct statement.

a) In Sample Error is the error rate you get on the same dataset used to model a predictor

b) Data have two parts-signal and noise

c) The goal of predictor is to find signal

d) None of the mentioned