



SANTHIGIRI

COLLEGE OF COMPUTER SCIENCES

Affiliated to MG University and Approved by AICTE

Data Science and Data Analytics

ADD-CS-03

Time : 1hr

Marks:20

Date: 28/02/2019

(Answer all Questions)

(1*20=20)

1. Identify the language which is used in data science?

- C++
- R
- Java
- Ruby

2. Choose the correct components of data science.

- domain expertise
- data engineering
- advanced computing
- all of the above

3. Which of the following is not a part of the data science process?

- communication building
- operationalize
- model planning
- Discovery

4. Total groups in which data can be characterized is?

- 1
- 2
- 3
- 4

5. Choose whether the following statement is true or false: Unstructured data is not organized

- True
- False
- maybe true or false
- cannot be determined

6. A column is a _____ - representation of data.

- Diagonal
- Vertical
- Top
- horizontal

7. Among the following identify the one in which dimensionality reduction reduces.

- Performance
- Entropy
- Stochastics
- collinearity

8. Machine learning is a subset of which of the following.

- Artificial intelligence
- deep learning
- data learning
- none of the above

9. Full form of PAC is _____

- Probably Approx Cost
- Probably Approximate Correct
- Probability Approx Communication
- Probably Approximate Computation

10. Total types of layer in radial basis function neural networks is _____

- 1
- 2
- 3
- 4

11. Choose whether true or false: Decision tree cannot be used for clustering

- True
- False

12. Procedural Domain Knowledge in a rule-based system, is in the form of?

- Meta-Rules
- Control Rules
- Production Rules
- None of the above

13. Which of the following architecture is also known as systolic arrays?

- MISD
- SISD
- SIMD
- None of the above

14. Machines running LISP are also called?

- AI Workstations
- Time-Sharing Terminals
- Both A and B
- None of the above

15. Machines running LISP are also called?

- Discrete Variables
- Continuous Variables
- Both A and B
- None of the above

16. Identify the key data science skills among the following

- data visualization
- machine learning
- Statistics
- all of the above

17. Raw data should be processed only one time. Is the following statement true or false?

True

False

18. Identify the revision control system on the following.

Scipy

Numpy

Git

Slidify

19. Among the following options identify the one which is false regarding regression.

it is used for the prediction

it is used for interpretation

it relates inputs to outputs

it discovers casual relationships

20. Choose the general limitations of the backpropagation rule among the following.

slow convergence

Scaling

local minima problem

All of the above

S. Anitha

