

## Sub: Informatics Practices Assignment-5

Select the most suitable alternative for each question:

- Q1. Which of the following commands is used to install Pandas?
- pip install python-pandas
  - pip install pandas
  - python install python
  - python install pandas
- Q2. A 2-Dimensional array that is ordered collection of columns to store heterogenous data types is?
- Series
  - NumPy Array
  - DataFrame
  - Panel
- Q3. In a DataFrame, axis=1 is for?
- Columns
  - Rows
  - Rows and Columns Both
  - None of these
- Q4. Which of the following statements is false?
- DataFrame is size-mutable
  - DataFrame is values-mutable
  - DataFrame is immutable
  - DataFrame is capable to hold multiple types of data
- Q5. Which attribute of DataFrame is used to perform the transpose operation on a Dataframe?
- T
  - Ndim
  - Empty
  - Shape
- Q6. Which attribute of DataFrame is used to retrieve its shape?
- T
  - Ndim
  - Empty
  - Shape
- Q7. Which attribute of DataFrame is used to get number of axis?
- T
  - Ndim
  - Empty
  - Shape

- Q8. Which method is used to access vertical subset of a DataFrame?
- a) Iterrows()
  - b) Iteritems()
  - c) mod()
  - d) median()
- Q9. Which method is used to access horizontal subset of a DataFrame?
- a) Iterrows()
  - b) Iteritems()
  - c) mod()
  - d) median()
- Q10. Which function is used to find most often appeared value from a set of numbers?
- a) mean()
  - b) median()
  - c) mode()
  - d) count()
- Q11. Which function is used to change the order of existing indices/labels?
- a) shape()
  - b) type()
  - c) series()
  - d) reindex()
- Q12. Which function is used to find middle number value from a set of numbers?
- a) mean()
  - b) median()
  - c) mode()
  - d) count()
- Q13. Which function is used to find average value from a set of numbers?
- a) mean()
  - b) median()
  - c) mode()
  - d) count()
- Q14. Which function is used to rename the existing column or index?
- a) std()
  - b) hist()
  - c) groupby()
  - d) rename()
- Q15. Which function calculates the most occurrence of each element along the axis selected?
- a) mean()
  - b) median()
  - c) mode()
  - d) count()
- Q16. To create an empty series object, Series() method is used with?
- a) No Parameter

- b) 1-parameter
- c) 2-Parameter
- d) 3-Parameter

Q17. DataFrame has \_\_\_\_\_ indices.

- a) 4
- b) 3
- c) 2
- d) 1

Q18. Which function is used for finding the highest value from a given set of values or columns of a dataframe

Or a Series.

- a) Highest()
- b) Biggest()
- c) Max()
- d) Check()

Q19. Which function is used to select a subset from a DataFrame name/index wise?

- a) Loc()
- b) iLoc()
- c) Index()
- d) Name()

Q20. The example of aggregate function in DataFrame is/are?

- a) Max()
- b) Min()
- c) Count()
- d) All the above