

a) HDFSb) MapReducec) YARN

SNS COLLEGE OF TECHNOLOGY

DEPARTMENT OF MECHATRONICS ENGINEERING



19MCT401 - DATA ANALYTICS IN AUTOMATION SYSTEM

UNIT 1 – INTRODUCTION TO BIG DATA

1. What are the main components of big data?

d)	All the above
a)	which of the following platforms does Hadoop run? Debian
	Cross-platform
	Bare metal
d)	Unix-like
3.Data	in bytes size is called big data
a)	Meta
b)	Giga
c)	Tera
d)	Peta
4.Tran	saction of data of the bank is a type of.
a)	Unstructured data
b)	Structured data
	Both a and b
d)	None of the above
5. The	total forms of big data is
a)	1
b)	2
c)	3
d)	4
6. Iden	tify the incorrect big data Technologies.
a)	Apache Pytorch
b)	Apache Kafka
c)	Apache Hadoop
d)	Apache Spark
7. In w	which language is Hadoop written?
a)	C++
b)	Java
c)	Rust
d)	Python
8	is a collection of data that is used in volume, yet growing exponentially
with ti	

a) Big Database
b) Big DBMS
c) Big Datafile
d) Big Data
9. Identify among the options below which is general-purpose computing model and
runtime system for Distributed Data Analytics.
a) HDFSb) MapReduce
c) Oozie
d) All of the above
10. Choose the primary characteristics of big data among the following
a) Value
b) Variety
c) Volumed) All of the above
d) All of the above
UNIT – II – DATA ANALYTICS
11. Data Analytics uses to get insights from data.
a. Statistical figures
b. Numerical aspects
c. Statistical methods
d. None of the mentioned above
12. Amongst which of the following is / are the branch of statistics which deals with the development of statistical methods is classified as
A. Industry statistics
B. Economic statistics
C. Applied statistics
D. None of the mentioned above
13. Linear Regression is the supervised machine learning model in which the model finds the pest fit between the independent and dependent variable.
A. Linear line
B. Nonlinear line
C. Curved line
D. All of the mentioned above

14. Amongst which of the following is / are the types of Linear Regression,

- A. Simple Linear RegressionB. Multiple Linear Regression
- C. Both A and B
- D. None of the mentioned above

15. Amongst which of the following is / are the true about regression analysis?		
A. Describes associations within the dataB. Modeling relationships within the dataC. Answering yes/no questions about the dataD. All of the mentioned above		
16. Linear regression analysis is used to predict the value of a variable based on the value of another variable.		
A. True B. False		
17. A Linear Regression model's main aim is to find the best fit linear line and the of intercept and coefficients such that the error is minimized.		
A. Optimal valuesB. Linear lineC. Linear polynomialD. None of the mentioned above		
18. Error is the difference between the actual value and Predicted value and the goal is to reduce this difference.		
A. True B. False		
19. The process of quantifying data is referred to as		
A. DecodingB. StructureC. EnumerationD. Coding		
20. Text Analytics, also referred to as Text Mining?		
A. True B. False		
UNIT – III – HADOOP		
21. Mapper implementations are passed the JobConf for the job via the method. a) JobConfigure.configure b) JobConfigurable.configure c) JobConfigurable.configurable d) None of the mentioned		

 22. Point out the correct statement. a) Applications can use the Reporter to report progress b) The Hadoop MapReduce framework spawns one map task for each InputSplit generated by the InputFormat for the job c) The intermediate, sorted outputs are always stored in a simple (key-len, key, value-len, value) format d) All of the mentioned
23. Input to the is the sorted output of the mappers. a) Reducer b) Mapper c) Shuffle d) All of the mentioned
24. The right number of reduces seems to be a) 0.90 b) 0.80 c) 0.36 d) 0.95
25. Point out the wrong statement. a) Reducer has 2 primary phases b) Increasing the number of reduces increases the framework overhead, but increases load balancing and lowers the cost of failures c) It is legal to set the number of reduce-tasks to zero if no reduction is desired d) The framework groups Reducer inputs by keys (since different mappers may have output the same key) in the sort stage
26. The output of the is not sorted in the Mapreduce framework for Hadoop. a) Mapper b) Cascader c) Scalding d) None of the mentioned
27. Which of the following phases occur simultaneously?a) Shuffle and Sortb) Reduce and Sortc) Shuffle and Mapd) All of the mentioned
28. Mapper and Reducer implementations can use the to report progress or just indicate that they are alive. a) Partitioner b) OutputCollector c) Reporter d) All of the mentioned
29 is a generalization of the facility provided by the MapReduce framework to collect data output by the Mapper or the Reducer.

a) Partitioner
b) OutputCollector
c) Reporter
d) All of the mentioned
30 is the primary interface for a user to describe a MapReduce job to the Hadoop
framework for execution.
a) Map Parameters
b) JobConf
c) MemoryConf
d) None of the mentioned
UNIT – IV – MANAGING HADDOP FILE
31. Which of the following class provides access to configuration parameters?
a) Config
b) Configuration
c) OutputConfig
d) None of the mentioned
32. Point out the correct statement.
a) Configuration parameters may be declared static
b) Unless explicitly turned off, Hadoop by default specifies two resources
c) Configuration class provides access to configuration parameters
d) None of the mentioned
22 gives site specific configuration for a given hadeen installation
33 gives site-specific configuration for a given hadoop installation. a) core-default.xml
b) core-site.xml
c) coredefault.xml
d) all of the mentioned
a) an of the memorea
34. Administrators typically define parameters as final in for values that user
applications may not alter.
a) core-default.xml
b) core-site.xml
c) coredefault.xml
d) all of the mentioned
35. Point out the wrong statement.
a) addDeprecations adds a set of deprecated keys to the global deprecations
b) configuration parameters cannot be declared final
c) addDeprecations method is lockless
d) none of the mentioned
26 mothed along all leave from the configuration
36 method clears all keys from the configuration.
a) clear b) addResource
c) getClass
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d) none of the mentioned
37 method adds the deprecated key to the global deprecation map. a) addDeprecits b) addDeprecation c) keyDeprecation d) none of the mentioned
38 checks whether the given key is deprecated. a) isDeprecated b) setDeprecated c) isDeprecatedif d) all of the mentioned
39 is useful for iterating the properties when all deprecated properties for currently set properties need to be present. a) addResource b) setDeprecatedProperties c) addDefaultResource d) none of the mentioned
40. Which of the following adds a configuration resource? a) addDeprecation b) setDeprecatedProperties c) addDefaultResource d) addResource
UNIT – V – AUTOMATION DATA HANDLING
41. Pictorial representation of data using symbols is known as: A. Bar graph B. Pictograph C. Pie chart D. None of these 42. Double bar graphs display sets of data simultaneously. A. Four B. Three
41. Pictorial representation of data using symbols is known as: A. Bar graph B. Pictograph C. Pie chart D. None of these 42. Double bar graphs display sets of data simultaneously. A. Four

45. If 20-30 is the class interval of grouped data, then the lower class limit is:
A. 50
B. 30
C. 20
D. 10
46. The difference between the upper-class limit and lower class limit of a class interval is
called:
A. Frequency
B. Width
C. Grouped data
D. Ungrouped data
47. The width or size of the class interval 30-40 is:
A. 10
B. 30
C. 40
D. 70
48. If a coin is flipped in the air, what is the probability of getting a tail?
A. 0
B. ½
C. 1
D. 2
49. A bag has 4 red balls and 4 green balls, what is the probability of getting a red ball
randomly?
A. 1/4
B. 1/8
C. 1/2
D. 0
50. If a die is thrown in the air, the probability of getting even numbers is:
A. ½
B. 1/6
C. 1/3
D. ² / ₃