10) Statement 1: Map operation consists of transforming one set of key-value pairs to another.	1 point
statement 2: Each reducer groups the results of the map step using the same key.	
a. Both statements are true	
O b. Both statements are false	
O c. Statement 1 is true and Statement 2 is false	
O d. Statement 1 is false and Statement 2 is true	
ou may submit any number of times before the due date. The final submission will be considered for grading.	
Submit Answers	

Week 05 : Assignment 05

Assignment not submitted

c. reduce functiond. None of these

1) In a SLA negotiation, the provider agreed with the service availability of 98%. The consumer runs the application for X hours/day. At the end of 1 point one month [31 days], the total service outage was 12 hrs. However, SLA negotiation (in terms of service availability) is honored. a. X is atleast 19.74 O b. X is atmost 19.74 O c. X is exactly 19.74 O d. Insufficient information 2) Average resource demand is 45 units, Baseline (owned) unit cost is 200 units, Time is 10 hours, Peak resource demand is 100 units. If the cloud is 1 point cheaper than owning of computer infrastructures, the utility premium is a. Greater than 2.22 Ob. Less than 2.22 O c. Atleast 4.45 Od. Atmost 4.45 3) In computing, there is a linear relationship between the number of processing cores used and power consumption. 1 point O a. TRUE o b. FALSE 4) The _____ takes a series of key/value pairs, processes each, and generates zero or more output. 1 point a. map function b. partition function

Due date: 2024-08-28, 23:59 IST.

5) In a MapReduce framework the HDFS block size is 64 MB. We have 6 files of size 64KB, 65MB, X MB, Y KB, 67KB and 127MB. 24 blocks are created by Hadoop framework. The size of X and Y are respectively [one or more than one options may be correct, select all correct options]:	1 point
☐ a. 66 and 64	
✓ b. 64 and 64	
✓ c. 64 and 66	
☐ d. 128 and 64	
6) Which among the following is/are logical resource(s)?	1 point
O a. Network	
O b. Computer	
O c. Database	
d. Execution	
7) When load decreases, VM management can be done by	1 point
✓ a. Live migrate VMs to more utilized nodes	
✓ b. Shutdown unused nodes	
☐ c. Migrate VMs to less utilized nodes	
☐ d. None of these	
8) Correspondence between resources required by the users and resources available with the provider is known as	1 point
O a. Resource provisioning	
O b. Resource adaptation	
c. Resource mapping	
O d. None of these	
9) Ability or capacity of that system to adjust the resources dynamically to fulfill the requirements of the user is known as	1 point
O a. Resource provisioning	
b. Resource adaptation	
O c. Resource mapping	
O d. None of these	