

Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, May 2019

Course: Data management and analytics in exploration and production Program: B. Tech. CSE +OGI Course Code: CSEG341	Semester: VI Time 03 hrs. Max. Marks: 100
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Instructions:

SECTION A

S. No.		Marks	CO
Q1	Explain the following in context to big data: a. Volume b. Velocity	4	CO1
Q2	Analyze the statement “Big data analytics in customer behavior is a dual edged sword”.	4	CO1
Q3	Analyze the working of stream analysis?	4	CO3
Q4	Discuss the fault tolerance in Hadoop?	4	CO4
Q5	Discuss the use cases of JQAL?	4	CO1


SECTION B

Q6	Critically analyze the use case of big data in the following scenarios: a. Fraud detection b. Customer behavior insights c. Telecommunication	10	CO1
Q7	Compare JQAL with mapreduce?	10	CO2
Q8	What are the similarities between pig, hive and jqal?	10	CO1, CO2
Q9	Differentiate between traditional computing and stream computing?	10	CO4

SECTION-C

Q10	a. Critically analyze the challenges in parallel data processing? b. Compare eviction policy to trigger policy?	20	CO3
Q11	Analyze the working of the following operators: a. Transform b. Expand c. Group	20	CO2, CO4

	<p>d. Join e. Sort</p> <p style="text-align: center;">OR</p> <p>Analyze the working of the following:</p> <p>a. Process engine recommendation b. Host tags c. Host pools d. Default pool</p>		
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SECTION A

S. No.		Marks	CO
Q1	Explain the following in context to big data: a. Veracity b. Variety	4	CO1
Q2	Analyze the behavior and capacities provided by JSON in the field of big data analytics?	4	CO2
Q3	State the places where we cannot use hive?	4	CO2
Q4	Critically analyze the hive and java?	4	CO2
Q5	Analyze the working of stream analysis?	4	CO4

SECTION B

Q6	Critically analyze the use of big data in health care industry.	10	CO1
Q7	Compare Hadoop with traditional relational data base? Also, state the places where Hadoop is superior to traditional data bases?	10	CO1
Q8	Analyze the lazy/late evaluation in JAQL and use the case of range to give an example?	10	CO2

Q9	Compare eviction policy to trigger policy?	10	CO4
SECTION-C			
Q10	<ul style="list-style-type: none"> a. Critically analyze the challenges in parallel data processing? b. Compare eviction policy to trigger policy? 	20	CO3, CO4
Q11	<p>Analyze the working of the following operators:</p> <ul style="list-style-type: none"> a. Transform b. Expand c. Group d. Join e. Sort <p style="text-align: center;">OR</p> <p>Analyze the working of the following:</p> <ul style="list-style-type: none"> a. Process engine recommendation b. Host tags c. Host pools d. Default pool 	20	CO2