Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES Online End Semester Examination, May 2021

Course: Big Data Search Semester: VI Program: B. Tech. (CSE) SPZ Big Data Time: 03 hours **Course Code: CSBD 3008** Max. Marks: 100

SECTION A

- 1. Each Question will carry 5 Marks

2. Instruction: Complete the statement / Select the correct answer(s)		
Q1	Which is not in category of unstructured data? (a) Health records (b) Audio files (c) Images (d) Excel files	CO1
Q2	Which of the following provides Java based indexing and search technology? (a) Hadoop (b) Lucene (c) Oracle (d) Kafka	CO2
Q3	Which component has the simple task of removing common words from the stream of tokens that become index terms? (a) Stemming (b) Stopping (c) Lemmatizing (d) Crawling	CO2
Q4	is the unit at which Elasticsearch distributes data around the cluster. (a) Segment (b) Shard (c) file (d) Replica	CO3
Q5	The is a basic unit of information that can be indexed in Elasticsearch. (e) Node (f) Document (g) Tokenizer (h) Replica	CO3
Q6	What is a broker in Kafka? (a) Zookeeper (b) Producer (c) Consumer (d) Server	CO4

define Lucene? How does Lucene build an index? Give an example. [2+8] in Solr. Explain Apache Solr architectural components with diagram. [3+7] define ELK stack? Explain roles of all technologies in the Elasticsearch ELK with help of an architectural diagram. [2+8] a architectural components of Kafka with a diagram. How does records flow in Explain. [6+4] treaming. What is a DStream in Apache Spark? What are the common on DStreams supported by Spark Streaming? [2+2+6]	CO2 CO2 CO3
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Section C	
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OR	
ing is an application that stores a large number of queries or user profiles and profiles to every incoming document on a feed. Documents that are sufficiently offile are forwarded to that person via email or some other mechanism. Describe of a filtering engine and how it may differ from a search engine. [10+10]	CO1
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