


Name: Enrolment No:		
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES Online End Semester Examination, May 2021		
Course: Big Data Analytics Program: MBA Digital Business Course Code: DSBA 8002		Semester: II Time 03 hrs. Max. Marks: 100
SECTION A 1. Each Question will carry 5 Marks 2. Instruction: Complete the statement / Select the correct answer(s)		
S. No.	Questions	CO
Q1	What are the four Vs of Big Data?	CO1
Q2	Which of the following aren't the sources of Big Data? Only one option is correct. a) Users b) Applications c) System d) Sensors e) Scanners f) Social Media g) None of these	CO2
Q3	Statistics + Big Data + Machine Learning = ?	CO3
Q4	According to analysts, for what can traditional IT systems provide a foundation when they're integrated with big data technologies like Hadoop? a) Big data management and data mining b) Data warehousing and business intelligence c) Management of Hadoop clusters d) Collecting and storing unstructured data	CO3
Q5	What are the main components of Big Data? a) MapReduce b) HDFS c) YARN d) All of these	CO1
Q6	What are the different features of Big Data Analytics? a) Open-Source b) Scalability c) Data Recovery d) All the above	CO4

SECTION B

- 1. Each Question will carry 10 Marks**
- 2. Instruction: Write short or Brief Notes**

Q7	What do you mean by structured vs unstructured vs semi-structured big data?	CO2
Q8	What is linear regression and logistic regression? Give example of each.	CO4
Q9	What are the advantages and challenges of using Big Data?	CO4
Q10	Explain the data source layer, security layer and the visualization layer in the big data architecture.	CO3
Q11	Draw the CRISP-DM (Cross-Industry Standard Process for Data Mining) OR What are the advantages and disadvantages of using artificial intelligence?	CO4

SECTION C

- 1. Each Question will carry 20 Marks**
- 2. Instruction: Write long answers**

Q12	Explain in detail the applications of artificial intelligence in various domains. Mention at least 6 points. OR What are the four cloud deployment models? Explain each with the help of labelled diagrams.	CO4
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