

Name:	
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2020

Course: Data Centre Transformation I (CSIT 4001)

Semester: VII

Programme: B.Tech. CS+IFM

Time: 03 hrs.

Max. Marks: 100

Instructions: Attempt all questions

SECTION A

S. No.	Question	Marks	CO
Q 1	Define IOT Data Centre challenges.	5	CO1
Q 2	List out the benefits of Cloud Computing.	5	CO1
Q 3	List out and explain the areas to be consider while optimizing the Data Centre.	5	CO2
Q 4	Also explain the process of Virtualization and Optimization of the Storage.	5	CO2
Q 5	List out the areas to be consider while optimizing the Data Centre.	5	CO3
Q 6	Summarize/Review the factors driving the need of Data Centre Transformation.	5	CO4

SECTION B

Q 1	Review the detailed description of electrical infrastructure of DC with the help of diagram.	10	CO2
Q 2	Define Integration of Energy and System Management of Data Centre in detail.	10	CO2
Q 3	Define the processes that govern daily operations of effective integration of Data Centre in daily business.	10	CO3
Q 4	Define Consolidation and Virtualization of Data Centre.	10	CO3
Q 5	Define Localizing Cooling along with the Power Categorization of Data Centre	10	CO4

SECTION-C

Q 1	Explain the importance cooling at the Data Centre? How the process of cooling optimization is done at Data Centre? Define all the 7 steps of it OR How the Power Management is done at Hardware side? Also explain the Management Function of IBM Devices in Data Centre	20	CO5
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