

Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, May 2019

Course: Cloud Computing Platform

Program: B.Tech CSE+MC

Course Code: CSIB 498

Semester: VI

Time: 03 hrs.

Max. Marks: 100

Instructions: All Questions are compulsory

SECTION A

S. No.		Marks	CO
Q 1	Mention platforms which are used for large-scale cloud computing.	4	CO4
Q 2	Explain the essential points that must be followed before going to cloud computing platform.	4	CO1
Q 3	Differentiate between elasticity and scalability in cloud computing.	4	CO3
Q 4	Define Hybrid clouds.	4	CO1
Q 5	Distinguish between cloud computing and mobile computing.	4	CO4

SECTION B

Q 6	Illustrate the Public Cloud Deployment model in detail. Also, discuss its advantages and disadvantages.	10	CO3
Q 7	Compare Cloud Computing Architecture and On-premise Computing Architecture.	10	CO2, CO3
Q 8	Elaborate the benefits of Virtualization. How does it help in disaster recovery?	10	CO1
Q 9	Explain the various types of workloads in the Hybrid cloud environment. Also, explain the workloads not suitable for the cloud computing environment. OR Illustrate the differences between Parallel Computing and Distributed Computing. Also, explain with diagram at what levels parallelism can be achieved?	10	CO4

SECTION-C

Q 10	Describe the various services made available to a cloud consumer? Also, Explain the various cloud services offered by AWS.	20	CO1, CO2
Q 11	What are the various Hardware Architectures available for Parallel Processing? Discuss in detail along with appropriate examples and diagrams. OR Give a detailed description for various Architectural Styles available for Distributed Computing.	20	CO2, CO4

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SECTION A

S. No.		Marks	CO
Q 1	Justify how can a company benefit from cloud computing.	4	CO3
Q 2	Explain Security management in terms of Cloud Computing.	4	CO1
Q 3	Distinguish between cloud computing and mobile computing.	4	CO4
Q 4	Illustrate Hybrid clouds.	4	CO1
Q 5	Discuss Reliability and Availability issues in Cloud Computing.	4	CO3

SECTION B

Q 6	Elaborate the architecture of Private Cloud Deployment model along with its advantages and disadvantages.	10	CO3
Q 7	Explain the following terms with respect to cloud computing: a) Cloud Bursting b) VM Migration c) Load Balancing d) Multi-tenancy	10	CO1
Q 8	Cloud Computing Architecture is better than the traditional On-premise Computing Architecture. Justify the statement.	10	CO2, CO3
Q 9	Explain in detail the various components or modules a Cloud is composed of. <p style="text-align: center;">OR</p> Parallel programming can be done at various levels depending on the size of the code (grain size). Justify the statement.	10	CO2

SECTION-C

Q 10	Elaborate the various services provided by a Cloud Vendor. Also, discuss the various Cloud services provided by Amazon.	20	CO1, CO2
Q 11	Discuss in detail the SISD, SIMD, MISD and MIMD architectures used in parallel processing along with appropriate examples and diagrams. <p style="text-align: center;">OR</p> Describe the various software and hardware architectural styles implemented in Distributed Computing.	20	CO2, CO4