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UNIVERSITY OF PETROLEUM
AND ENERGY STUDIES

End Semester Examination, December 2017

Program: B. Tech (CSE-HI)   Semester – V

Subject (Course): Introduction to virtualization and Cloud Computing   Max. Marks   : 100
Course Code   : CSIB 274   Duration: 3 Hrs.
No. of page/s: 01

A) Attempt all question   (Limited Words-50 words)   **(4*5=20 marks)**

1) Discuss the cloud Deployment Models with example?
2) What are Privilege modes and Non-privilege modes.
3) Explain the SLA based on Hybrid cloud.
4) Explain Emulation and Isolation with Example.

B) Attempt all question   (Words limit 150 words max)   **(10*4=40 marks)**

5) Give an Real Time Application of the cloud Services and briefly describe their PROS and CONS.
6) Explain parallel computing and Distributed Computing
7) What are the advantages and disadvantages of Virtualization
8) Explain Community Cloud with appropriate example

C) Attempt any two questions   **(2*20=40marks)**

9) Compare the
    a) Bare metal Hypervisor and Hosted Hypervisor.
    b) Grid Computing and Cloud Computing.

10) Brief About
    a) Workload in the context of Cloud Computing (b) Types of workload and their examples.

11) Discuss the reference model of full virtualization and what are the fundamental requirement for the cloud application Architecture.