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UNIVERSITY WITH A PURPOSE

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

Course: IV & CC   Semester: VI
Program: B. Tech. CSE+CSF   Time 03 hrs.
Course Code: CSVT 2001   Max. Marks: 100

SECTION A

1. **Each Question will carry 5 Marks**
2. **Instruction: Complete the statement / Select the correct answer(s)**

S. No.	Question	CO
Q 1	Describe the role of PVD in Para-Virtualization?	CO3
Q2	Describe the work flow of Hypervisor in Type-1 and Type-2 Virtualization?	CO4
Q3	Any four Differences of Para and full Virtualization?	CO3
Q4	What is the role of Trap and Emulate operations in Full Virtualization?	CO2
Q5	Describe the any three reasons of SPOF in Virtualization?	CO1
Q6	Any two differences between block and file Virtualization?	CO3

SECTION B

1. **Each question will carry 10 marks**
2. **Instruction: Write short / brief notes**

Q 7	Describe the Network Virtualization concept with case study approach? Or Describe the how Desktop Virtualization works with case study approach?	CO1
Q 8	Explain how VPN and VLAN works in network virtualization?	CO1
Q 9	Elaborate the reasons of "overlapping of virtualization and cloud"?	CO2
Q 10	Explain few services of cloud concept with case study approach?	CO3
Q 11	Justify, How the "Cloud computing helps reduce or eliminate issues of IT?" Explain with your own experience.	CO2

Section C

1. **Each Question carries 20 Marks.**
2. **Instruction: Write long answer.**

Q12	Highlight the Pros and Cons of a cloud models with a case study approach? Or Explain the hybrid cloud service with a case study approach?	CO2