

| UNIT 2 |                                                                                                                                                                             |     |    |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 17     | What do you understand by service-oriented architecture (SOA)? How does it support cloud computing?                                                                         | CO2 | L2 |
| 18     | What is the difference between process virtual machines, host VMMs and native VMMs?                                                                                         | CO2 | L4 |
| 19     | What is a Hypervisor? Explain in detail with necessary illustrations.                                                                                                       | CO2 | L3 |
| 20     | Give the brief introduction of REST. How it is useful in cloud computing process?                                                                                           | CO2 | L2 |
| 21     | Differentiate between web services and REST systems. Also mention some real-life examples where REST system is being used.                                                  | CO2 | L5 |
| 22     | Draw and explain different abstraction levels of virtualization.                                                                                                            | CO2 | L2 |
| 23     | State and explain any two types of Cloud enabling technologies.                                                                                                             | CO2 | L2 |
| 24     | Describe different types of virtualizations.                                                                                                                                | CO2 | L1 |
| 25     | What is hardware virtualization? Draw necessary diagram and describe advantages of hardware virtualization.                                                                 | CO2 | L2 |
| 26     | What is virtual machine? Discuss VMM in detail.                                                                                                                             | CO2 | L2 |
| 27     | Explain levels of Virtualization.                                                                                                                                           | CO2 | L2 |
| 28     | Write a short note on existing technologies enabled cloud computing-Broadband networks & internet architecture Data Centre technology Web technology Multitenant technology | CO2 | L4 |
| 29     | Draw and explain Xen architecture.                                                                                                                                          | CO2 | L2 |
| 30     | Draw and explain virtualization in five abstraction levels.                                                                                                                 | CO2 | L2 |
| 31     | Draw and explain Virtual Clusters and resource management                                                                                                                   | CO2 | L2 |
| 32     | Explain different types of hypervisors with examples.                                                                                                                       | CO2 | L3 |
| 33     | What is difference between horizontal and vertical scaling                                                                                                                  | CO2 | L4 |
| 34     | Explain in brief para-virtualization.                                                                                                                                       | CO2 | L2 |
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