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COER University**END SEMESTER EXAMINATION, EVEN SEM 2022-23**

Time : 3 hours
Program Name : MCA
Course Name : Cloud Computing and Virtualization

Total Marks : 100
Semester : II
Course Code : MCA214

Note: All questions are compulsory. No student is allowed to leave the examination hall before the completion of the time.

Q. No 1	Attempt Any Four Parts. Each Question Carries 5 Marks.	CO	BL
(a)	Discuss the three main service models of cloud computing?	CO 1	1
(b)	Discuss the subscription-based or pay as you go model in cloud computing?	CO 1	2
(c)	Describe the benefits of different cloud Security standards.	CO2	1
(d)	What is node controller and cloud controller in eucalyptus and discuss the Eucalyptus tool for IAAS?	CO 1	2
(e)	Illustrate the key features of Cloud Sim enable simulation of large-scale cloud environments?	CO 1	2

Q. No 2	Attempt Any Four Parts. Each Question Carries 5 Marks.	CO	BL
(a)	Define public cloud, and how is it different from a private cloud?	CO 2	1,2
(b)	State the benefits of using infrastructure as a service (IaaS), and how does it differ from other cloud service models?	CO 2	2
(c)	Draw the architecture of google cloud platform as a service?	CO 2	4
(d)	What is difference between the CRM and ERP?	CO 1	2
(e)	Discuss the hybrid and community deployment model of cloud computing?	CO 2	1

Q. No 3	Attempt Any Four Parts. Each Question Carries 5 Marks.	CO	BL
(a)	Differentiate the Physical and Cyber Security Protection at Cloud/Data Centers	CO5	2
(b)	Define the concept of cloud project management in detail?	CO 3	2
(c)	Design and write the steps to create the word spreadsheet template?	CO 3	6
(d)	Analyze that how the businesses get started with using event based management tools?	CO 3	4
(e)	What is Distributed Management Task Force (DMTF)?	CO 5	2

Q. No 4	Attempt Any Two Parts. Each Question Carries 10 Marks.	CO	BL
(a)	Write short notes on (i) Software virtualization (ii) Network virtualization.	CO 5	2
(b)	State any three essential characteristics of cloud computing.	CO 1	1
(c)	Define the virtual machine monitor (VMM)? Review the process of virtualization help with server consolidation and optimization?	CO 4	2,4

Q. No 5	Attempt Any Two Parts. Each Question Carries 10 Marks.	CO	BL
(a)	Define the common standards? Discuss the main goal and objective of the distributed management task force (DMTF)?	CO 5	2
(b)	What are the driving factors for Migration toward Cloud ?	CO 1	2
(c)	Discuss the common challenges faced by end users when accessing cloud services, such as latency and bandwidth issues, and how can these be mitigated?	CO 5	2,4

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