CMR TECHNICAL CAMPUS
UGC AUTONOMOUS
B. Tech. VII Semester Regular End Examinations, November-2023
Cloud Computing
Common to CSE, IT, CSM &CSD

Time: 3 Hours   Max. Marks: 70

Note
i. This Question paper contains Part- A and Part- B.
ii. All the Questions in Part A are to be answered compulsorily.
iii. All Questions from Part B are to be answered with internal choice among them.

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PART-A

10 X 02 = 20 Marks

			Marks	CO	BL
1.	a	Compare grid computing with electric power grid	2M	CO1	L2
	b	Mention the use of distributed computing	2M	CO1	L1
	c	Define cloud computing.	2M	CO2	L1
	d	Interpret the motivation for cloud computing.	2M	CO2	L2
	e	What is the use of server consolidation?	2M	CO3	L3
	f	Explain the pay-as-you-go paradigm.	2M	CO3	L2
	g	List the different PaaS providers and their products.	2M	CO4	L1
	h	Mention the user and service provider responsibilities of IaaS service model.	2M	CO4	L1
	i	What is the use of VCloud?	2M	CO5	L2
	j	Mention the role of a cloud service provider.	2M	CO5	L1

PART- B

5 X 10 = 50 Marks

			Marks	CO	BL
2.	a	Discuss the role of mobile computing in the future.	5M	CO1	L3
	b	What are the potential advantages of optical computing over traditional electronic computing?	5M	CO1	L2

OR

			Marks	CO	BL
3	a	How is high performance computing contributing to advancements in various fields?	5M	CO1	L2
	b	What are the fundamental principles of quantum computing and how do they enable the development of algorithms and applications that could potentially revolutionize industries	5M	CO1	L3
4	a	Explain the four cloud deployment models with suitable example	5M	CO2	L2
	b	Summarize the merits and demerits of cloud computing	5M	CO2	L1

OR

5	a	Cloud computing is a service. Justify the statement with proper example.	5M	CO2	L3
	b	Describe a real life example to illustrate the need for cloud computing	5M	CO2	L3
6	a	Illustrate the different features of cloud with suitable example	5M	CO3	L2
	b	Write notes on network connectivity in cloud computing	5M	CO3	L2

OR

7	a	Discuss the layers of cloud architecture.	5M	CO3	L3
	b	Explain the approaches for cloud migration.	5M	CO3	L2
8	a	Describe the characteristics of IaaS, PaaS and SaaS	5M	CO4	L1
	b	Explain the scenarios where SaaS applications are chosen as the best option.	5M	CO4	L3

OR

9	a	Write an overview of PaaS with suitable example.	5M	CO4	L2
	b	Write the pros and cons of IaaS and SaaS	5M	CO4	L1
10	a	Explain the cloud services provided by EMC with an example	5M	CO5	L2
	b	Explain briefly about the SAP HANA cloud.	5M	CO5	L2

OR

11	a	Illustrate the different modules in a Google app engine with suitable diagram.	5M	CO5	L2
	b	Explain the cloud services provided by Microsoft with suitable examples.	5M	CO5	L2

CO   : Course Outcomes

BL   : Bloom's Taxonomy Levels   L 1 : Remembering   L 2 : Understanding

L 3 : Applying   L 4 : Analysing

L 5 : Evaluating   L 6 : Creating

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