Department of Information Technology

B. Tech. Mid Question Bank (R20 Regulation)

Academic Year:2024-25   **Semester: VII**

Subject Name: Cloud Computing
Faculty Name: Kotha Chandrakala, B Prashanth, Rakshitha O,
                A Veerender

PART-A

Q. No	Questions	Marks	BL	CO	Unit No
1	Define Cloud Computing.	2	L1`	CO1	1
2	Explain any three services offered by cloud.	2	L2	CO1	1
3	What is Virtualization? Explain the need of virtual machine?	2	L1	CO1	1
4	What is Grid Computing?	2	L1	CO1	1
5	What is Cluster Computing?	2	L1	CO1	1
6	What is Mobile Computing ?	2	L1	CO1	1
7	What is cloud computing? Give a formal definition as per NIST?	2	L1	CO2	2
8	What is the Need of Cloud Computing?	2	L1	CO2	2
9	Explain the Characteristics of Cloud Computing.	2	L2	CO2	2
10	What is Hybrid Model?	2	L1	CO2	2
11	Explain the Cloud Service Models.	2	L2	CO2	2
12	Explain the pay-as-you-go paradigm.	2	L2	CO2	2
13	Explain How many Layers we have in Cloud Computing?	2	L2	CO3	3
14	Explain Anatomy of Cloud.	2	L2	CO3	3
15	Explain the applications of cloud.	2	L2	CO3	3
16	What is Network Connectivity in Cloud Computing?	2	L1	CO3	3
17	What is Elasticity and Multitenancy?	2	L1	CO3	3
18	Define New Facets in Private Networks.	2	L1	CO3	3
19	What is Infrastructure as a service?	2	L1	CO4	4
20	What the suitability conditions of PAAS?	2	L1	CO4	4
21	Illustrate the pros and cons of PAAS.	2	L2	CO4	4
22	Describe the services provided by SAAS .	2	L2	CO4	4
23	Illustrate the pros and cons of SAAS.	2	L2	CO4	4
24	What are the other cloud models available?	2	L1	CO4	4
25	What are the services offered by EMC ?	2	L1	CO5	5
26	What are the basic modules of EMC's Captiva Cloud Toolkit?	2	L1	CO5	5
27	Define the services offered by Google?	2	L1	CO5	5
28	What are the Services Provided by AWS?	2	L1	CO5	5
29	What is the Microsoft Assessment and Planning Toolkit?	2	L1	CO5	5
30	What do you mean by Knowledge as a Service?	2	L1	CO5	5

PART-B

Q.No	Questions	Marks	BL	CO	Unit No
1	Will mobile computing play a dominant role in the future? Discuss your answer.	3	L2	CO1	1
2	What is Grid Computing? compare grid computing with electric power grid.	3	L2	CO1	1
3	Explain high availability and data recovery.	3	L2	CO1	1
4	What is Nano Computing?	3	L1	CO1	1
5	Write a short note on the current state of the Data Security in the Cloud	3	L1	CO1	1
6	Define Mobile Cloud Computing. what Challenges Does Mobile Computing face?	3	L1	CO1	1
7	Explain High Performance Computing & Quantum Computing.	6	L2	CO1	1
8	Explain Bio Computing & Optical Computing.	6	L2	CO1	1
9	Compare Distributed Computing with Parallel Computing and Network Computing.	6	L2	CO1	1
10	Give a brief note on the merits and demerits of cloud computing.	3	L2	CO2	2
11	What are advantages & Dis advantages of Public & Private cloud deployment models	3	L1	CO2	2
12	What are advantages & Dis advantages of Hybrid cloud deployment model	3	L1	CO2	2
13	Write Common examples of SAAS,PAAS & IAAS	3	L1	CO2	2
14	Compare and Contrast three Service models	3	L2	CO2	2
15	What is SLA? What is its role in Cloud Computing?	3	L1	CO2	2
16	Explain the Characteristics of Cloud Computing.	6	L2	CO2	2
17	Explain the Cloud Deployment Models.	6	L2	CO2	2
18	Explain the Cloud Service Models.	6	L2	CO2	2
19	Explain Cloud Architecture.	3	L2	CO3	3
20	Explain the Layers of Cloud Computing.	3	L2	CO3	3
21	Explain Anatomy of Cloud.	3	L2	CO3	3
22	Explain the Network Connectivity in Cloud Computing .	3	L2	CO3	3
23	Explain the applications of cloud.	3	L2	CO3	3
24	Explain Phases of Cloud Migration?	3	L2	CO3	3
25	Explain the Suitability of IAAS.	3	L2	CO4	4
26	What are the pros and cons of IAAS?	3	L2	CO4	4
27	What are the Services provided by PAAS? Discuss in detail.	3	L1	CO4	4
28	What are the pros and cons of PAAS?	3	L1	CO4	4
29	Elaborate the term "Software as a Service" related to cloud computing.	3	L2	CO4	4

30	What are the pros and cons of SAAS?	3	L1	CO4	4
31	Explain the characteristics of IAAS.	6	L2	CO4	4
32	Explain the characteristics of PAAS.	6	L2	CO4	4
33	Explain the characteristics of SAAS.	6	L2	CO4	4
34	Explain in detail about EMC IT.	3	L2	CO5	5
35	Explain Amazon web services ,Amazon C2 service.	3	L2	CO5	5
36	Explain in detail about Aneka Platform.	3	L2	CO5	5
37	What is Google Cloud Print? What are its advantages?	3	L2	CO5	5
38	Explain the Amazon Simple Queue Service.	3	L2	CO5	5
39	Explain the cloud service provided by Windows Azure.	3	L2	CO5	5
40	Explain the HANA Cloud Platform.	6	L2	CO5	5
41	Explain various cloud services offered by Sales Force.	6	L2	CO5	5
42	Explain the architecture of IBM Smart Cloud with a neat architectural diagram.	6	L2	CO5	5