



# BON SECOURS COLLEGE FOR WOMEN

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Affiliated to Bharathidasan University, Tiruchirappalli.

VILAR BYPASS, THANJAVUR – 613 006.



## PG DEPARTMENT OF COMPUTER SCIENCE

### CLOUD COMPUTING

## SAMPLE QUESTIONS

### UNIT 1

#### 2 Mark Questions

1. What is grid computing?
2. Define layers and types of clouds.
3. What is customization?
4. Define roots of cloud computing.
5. What is cloud computing with examples?
6. Define cloud infrastructure management.
7. Difference between Iaas and paas.
8. Define Elasticity.
9. What is Aneka?
10. What is security, privacy and trust?
11. Define Data lock-in and standardization.
12. Difference between self -service and per-usage metering.
13. What is deployment models?
14. Define autonomic computing.
15. What is hardware virtualization?
16. Difference between virtual appliances and open virtualization format
17. Define saas and uses of saas.
18. What is virtualization networking?
19. What is dynamic resource allocation?
20. Define multiple backend Hypervisors.

## **5 Mark Questions**

1. Describe a cloud computing in a nutshell?
2. Write about mainframes to clouds?
3. Describe a SOA, web services, web 2.0 and mashups?
4. Write about hardware virtualization?
5. Describe a layer and types of clouds?
6. What are all the desire features of a cloud?
7. Write any five feature of VIMs?
8. Write about IAAS providers?
9. Write about PAAS providers?
10. Describe a challenges and risks in cloud computing?
11. Describe the promise of the cloud?
12. Write the cloud service offering and deployment models?
13. Write a challenges in the cloud?
14. Write a broad approaches to migrating into the clouds? Explain why migrate?
15. Write the seven step model of migration into a cloud?
16. Describe the evolution of Saas?
17. What are all the challenges of Saas paradigm?
18. Describe the integration methodologies and this types?
19. Write a characteristics of integration solutions and products?
20. Write any five Saas integration products and platforms?
21. Write ainformatica on-demand in Saas integration services?
22. Describe a Microsoft internet services bus?
23. Write a relevant deployment models for enterprise cloud computing?
24. Write a adoption and consumption strategies?
25. What are the issues in the enterprise application on the cloud?
26. Describe a transition challenges in cloud computing?
27. Write the cloud supply chain?
28. Explain about the new integration scenarios in cloud computing.

## **10 Mark Questions**

1. Explain the detail about seven step model in cloud computing?
2. Describe the cloud infrastructure management.

3. Explain briefly about IAAS provider.
4. Explain in detail about challenges and risk in cloud computing.
5. Evaluate challenges and approaches of SAAS provider.
6. Explain about Integration methodologies.
7. Describe about the enterprise cloud computing paradigm.
8. Explain in details about cloud supply chain.

## UNIT-2

### 2 Mark Questions

1. What is mean by manageability?
2. What is OCCI & OGF?
3. What is a migration services?
4. What is difference between VM life cycle & VM monitoring?
5. Define Eucalyptus?
6. Define open Nebula?
7. Define aneka?
8. What is a leasing model?
9. What is lease scheduling?
10. Expand and define a (EC2)?
11. Write short notes on Microsoft windows azure?
12. Explain RVWS design?
13. What is a logical design?
14. what is cluster stateful WSDL document?
15. Define a cloud storage from LANs to WANs?
16. what is missing link?
17. Neither TAC & SKS?

### 5 Mark Questions

1. Explain about the infrastructure as a service for background and related work?
2. Explain briefly about the virtual machine migration services for cloud infrastructure?
3. Write about the management of virtual machine for cloud infrastructure?

4. Briefly explain the RVWS design?
5. Explain the scheduling techniques for advance reservation of capacity?
6. Write a secure distributed data storage in cloud computing?

### **10 Mark Questions**

1. Write in detail about virtual machine provisioning and manageability?
2. Elaborate the distributed management of virtual infrastructure?
3. Explain in detail logical design?
4. Detail about the technologies for data security in cloud computing?
5. Illustrate enhancing cloud computing environment using a cluster as a service?

## **UNIT-3**

### **2-Mark Questions**

- 1.) What is aneka ?
- 2.) Define key advantages of private cloud computing ?
- 3.) Define SLAs?
- 4.) Define SDK ?
- 5.) Classes of services characteristics?
- 6.) Define Iaas, Saas, Pass?
- 7.) Guide lines for implementation?
- 8.) Define RPS ?
- 9.) Explain provisioning services?
- 10.) Define Comet Cloud?
- 11.) Define automatic cloud bursting?
- 12.) Types of Scheduling agent?
- 13.) Define VaR?
- 14.) Basic Comet cloud operations?

### **5-Mark Questions**

- 1.) Explain technologies and tools?
- 2.) Detailed about Aneka Cloud Platform?
- 3.) Explain about Automatic Behavior of Comet Cloud?
- 4.) Introduction for Aneka Integration of Private and public clouds?

5.) Describe about Implementation and Evaluation?

### **10-Mark Questions**

- 1.) Briefly Explain about Resource provisioning service?
- 2.) Over view of Comet Cloud-based Application?
- 3.) Detailed about Hybrid cloud Implementation?

## **UNIT 4**

### **2 Mark Questions**

- 1) Define the demand of cloud computing?
- 2) What is ICT?
- 3) List out the ICT services?
- 4) Write few importance of quantity and security?
- 5) Define dynamic data producing?
- 6) What is map reducing?
- 7) How the map reducing is used?
- 8) What are the implementation of map reduce?
- 9) What are the models used in map reduce?
- 10) How the MapReduce implementation in cloud computing?
- 11) What are the features of MapReduce?

### **5 Mark Questions**

1. What are the Enterprises Demand Of Cloud Computing?
2. Explain in detail about Dynamic ICT services?
3. What Are the importance of quality and Security in clouds?
4. Explain Dynamic Data center- producing business ready dynamic ICT services?
5. Explain in detail about T Systems core cloud modules?
6. Explain a brief overview of Dynamic Services?
7. Explain in detail about Dynamic Services for SAP?
8. Explain in detail about Map reduce programming model?
9. What are the main features in Map reduce?
- 10 .Explain in detail about the execution overview of Map reduce?
11. What are the major Map reduce implementations for the cloud?

### **10 Mark Questions**

- 1) Brief overview of Dynamic Services?
- 2) Explain in detail about Dynamic Services for SAP?
- 3) Explain in detail about Map reduce programming model?

4) Explain in detail about the execution overview of Map reduce?

## UNIT -5

### **2 Marks Questions**

1. What is Cloud Computing?
2. List out some Cloud Providers?
3. Define BSM.
4. Define SAP Systems.
5. What is SLA.
6. What is Central instance?
7. Define Dynamic Elasticity?
8. List out any primary type requirements?
9. Define federation?
10. What is service application?
11. Define service manager?
12. Expand form of VEEM
13. What is capacityplanning.
14. What are the type of Algorithms in admission Control?
15. Write any four key components of a Service level Agreement?
16. Define Application SLA.
17. What are the five SLA life cycle phase.
18. Define Operational Policies?
19. What is high performance computing?
20. Define Grid and Cloud Computing?
21. What are the issues in Grid and Cloud Integration?
22. Mention any two cloud Provider?
23. Define Map test:
24. Define LINPACK.
25. What is NPB?
26. What is AmazonECS?

### **5 Marks Questions**

1. What are the basic principles of Cloud Computing? Explain briefly?
2. What are the model federated cloud computing?
3. Explain the traditional approaches to SLA Management?
4. What are the types of SLA. Explain.

5. Discuss about the Life cycle of SLA?
6. What is Sla Management in Cloud Computing?
7. What are automated Policy?
8. Write about high Performance Computing?
9. Explain about Grid and Cloud Computing?
10. What are the issues on HPC in Cloud Computing?

**10 Marks Questions**

1. Discuss a life cycle on SLA?
2. Explain traditional approaches of SLA Management?
3. Explain the phase in SLA Management for applications hosted in Cloud?
4. Discuss the need for integration of grid and cloud?