



**School of Technology, Design and Computer Application**  
**Aditya Silver Oak Institute of Technology**  
**Bachelor of Technology (Computer Engineering)**

<b>Semester:</b>	3rd	<b>Academic Year:</b>	2025-26
<b>Course Name:</b>	Fundamentals of Cloud Computing	<b>Course Code:</b>	2010043224

**Question bank**

<b>Sr. No.</b>	<b>Question Text</b>	<b>Marks</b>	<b>CO</b>
<b>Unit-1</b>			
1	What is Cloud Computing? Explain goals and challenges of Cloud Computing.	3	C01
2	Explain different types of Cloud Computing. <b>OR</b> Discuss cloud deployment models in detail.	4	C01
3	Explain the architecture of cloud computing.	4	C01
4	List out the Cloud Service Providers.Explain any two service providers in detail.	6	C01
5	Discuss History of cloud computing.	6	C01
6	Difference between public, Private and Hybrid with one example each.	4	C01
7	Give the characteristics of cloud computing.	3	C01
<b>Unit-2</b>			
8	Explain different types of Cloud Service Models.	6	C02
9	Explain advantages and disadvantages of SaaS.	3	C02
10	Explain challenges of SaaS.	3	C02
11	Explain advantages and disadvantages of IaaS.	4	C02
12	What is SaaS Integration Services?Explain in detail.	6	C02
<b>Unit-3</b>			
13	Define Virtual Machine.Discuss VM migration services.	4	C03



14	Write down the merits and demerits of Paas services.	6	C03
15	Write a short note on DBaaS.	3	C03
16	Discuss in detail SECaas.	4	C03
17	Define following terms: (i)Cloud infrastructure (ii)Virtual machine (iii)Hypervisor	3	C03
18	Write a short note on Bare Metal Server.	4	C03
19	How to secure a network in cloud computing?	3	C03
20	Discuss Object Storage in cloud computing.	3	C03
21	Define virtualization.List out different types of virtual Machine. Explain any two in detail.	6	C03
22	List out different types of virtual machine.Explain any one in detail.	3	C03
23	How to store data on the cloud?Give the different types of cloud storage.	4	C03
24	Discuss working of CDN.	3	C03

#### **Unit- 4**

25	Discuss Hybrid Multi-Cloud.	6	C04
26	Explain architecture of Cloud Native applications.	6	C04
27	What is Devops in cloud computing?	3	C04
28	Explain the need of serverless computing.	4	C04
29	Explain microservices in cloud computing?	3	C04
30	Discuss Application Modernization.	4	C04
31	Difference between Microservices and Monolithic Architecture.	3	C04

**Course Coordinator**

**Head of Department**