Name of the Program:	M.Tech	Semester:	II
Paper Title:	Cloud Computing	Paper Code:	CSE21813
Maximum Marks:	50	Time Duration:	3 Hrs
Total No. of Questions:	**17**	Total No of Pages:	2
(Any other information for the student may be mentioned here)	**1.** At top sheet, clearly mention Name, Univ. Roll No., Enrolment No., Paper Name & Code, Date of Exam. **2.** All parts of a Question should be answered consecutively. Each Answer should start from a fresh page. **3.** Assumptions made if any, should be stated clearly at the beginning of your answer.		

Group A			
Answer All the Questions (5 x 1 = 5)			
1	What are the application coming under SAAS?	**Knowledge Level**	**CO1**
2	What is the role of server?	**U**	**CO2**
3	Define Cloud computing.	**R**	**CO3**
4	State the difference between computer network and cloud computing.	**An**	**CO4**
5	Give an example of 'Scalability of Deployment' that may necessitate the use of IaaS features of a cloud	**Ap**	**CO5**

Group B			
Answer All the Questions (5 x 2 = 10)			
6 a)	i)Explain the function for Cloud client? ii)Explain the function of server with suitable example.	**U**	**CO1**
(OR)			
6 b)	i)Discuss PAAS application and it's impact on cloud. ii)Explain Client server architecture.	**R**	**CO1**
7 a)	Discuss how multitasking is achieved in cloud computing.	**U**	**CO2**
(OR)			
7 b)	Analyse the significance of service request in cloud computing.	**U**	**CO2**
8 a)	Why Log files is maintained in server give a brief overview on it.		**CO3**
(OR)			
8 b)	What are the considerations that a company must look at while deciding to use a software on a SaaS platform as against owning it?	**An**	**CO3**
9 a)	Why security check in server is needed suggest your answer.	**Ap**	**CO4**
(OR)			
9 b)	Give some examples of Cloud based storage application which are available commercially.	**An**	**CO4**
10 a)	Write a note on how security aspects are addressed in a cloud platform.	**Ap**	**CO5**

	(OR)		
10 b)	Give an example of PaaS and discuss a practical application with a real-life example	**Ap**	**CO5**

Group C
Answer All the Questions (7 x 5 = 35)

11 a)	i)Explain the principle of server security with suitable analysis. ii)Explain the role of provisioning in identity and access management.	**U**	**CO1**
	(OR)		
11 b)	i)Explain five essential characteristic of cloud computing, ii)Explain the IAAS architecture in detail with suitable example.	**U**	**CO1**
12 a)	Analyse 3-4-5 model in cloud with suitable example.	**R**	**CO2**
	(OR)		
12 b)	Classify public, private and hybrid cloud with suitable example.	**R**	**CO2**
13 a)	Explain SAAS architecture with suitable example.	**An**	**CO3**
	(OR)		
13 b)	Analyse certain server security issue and how to mitigate this issue with suitable example.	**Ap**	**CO3**
14 a)		**An**	**CO4**
	(OR)		
14 b)	Give a short note on (a)System integrity control, (b) Patching and server maintenance, (c) Backups and restore points	**An**	**CO4**
15 a)	The cloud computing ecosystem consists of 4 layers. Draw a generic view of the model and write a note on it.	**An**	**CO4**
	(OR)		
15 b)	How can customizations be implemented while using a software on the cloud?	**An**	**CO4**
16 a)	Can SaaS ultimately replace all locally implemented software? Discuss your views.	**Ap**	**CO5**
	(OR)		
16 b)	The operational health of an application running on cloud is dependent on its ability to handle Load Balancing suggest your understanding in it.	**Ap**	**CO5**
17 a)	What are the application of utility billing in cloud.	**Ap**	**CO5**
	(OR)		
17 b)	What is the need of off site security in cloud.	**Ap**	**CO5**

Note: The Sample prepared by assuming 5 COs in a course, considering one CO for one Module.
   i)   If the COs are higher in numbers that can be managed by equating sub-divisional questions
   ii)   If the COs are lower in numbers, the questions can be increased by equating the number of COs