Roll No.:
(To be filled in by the candidate)

PSG POLYTECHNIC COLLEGE, COIMBATORE - 641 004

SEMESTER EXAMINATIONS, FEB 2022

DIP - DIT/DCN   SEMESTER: V

I18502/C18E01 -   CLOUD COMPUTING

Time: 3 Hours　　　　　　　　　　　　　　　　　　　　　　**Max. Marks: 75**

Instructions :

1. Answer All Questions either (a) Division or (b) Division.
2. Each question carries 15 marks.
3. Division (a) and (b) has three subdivisions (i), (ii) and (iii) which carries **2** marks, **3** marks and **10** marks respectively.

Q. No.	Div.	Sub div.	Questions	Bloom's Taxonomy	Marks	Total Marks	Course outcome
1	a	i	Define cloud computing.	R	2	15	CO 1
		ii	State the characteristics of cloud computing.	R	3		
		iii	Explain the cloud architecture with neat diagram.	U	10		
	OR						
	b	i	List the components of the cloud.	R	2		
		ii	State the advantages and disadvantages of cloud.	U	3		
		iii	Explain the various cloud deployment models in detail.	U	10		
2	a	i	Define cloud storage.	R	2	15	CO 2
		ii	State the limitations of PaaS.	U	3		
		iii	Explain the various types of cloud services in detail.	U	10		
	OR						
	b	i	List the devices required for cloud storage.	R	2		
		ii	State the requirement of cloud storage.	R	3		
		iii	Illustrate the cloud storage model in detail.	A	10		

3	a	i	Define a) host operating system b) guest operating system	R	2	15	CO 3
		ii	State the limitations of virtualization.	U	3		
		iii	Discuss about the classification of virtual machines in detail.	A	10		
	OR						
	b	i	Define virtualization.	R	2		
		ii	Is virtualization beneficial? How?	U	3		
		iii	Explain the server virtualization in detail with neat diagram.	U	10		
4	a	i	Define live migration.	R	2	15	CO 4
		ii	Define the attributes required to ensure cloud security.	R	3		
		iii	Briefly discuss about the cloud security architecture with neat diagram.	A	10		
	OR						
	b	i	Define cloud malware injection.	R	2		
		ii	Identify the asset needed for cloud deployment.	U	3		
		iii	Explain the cloud security challenges in detail with suitable diagram.	A	10		
5	a	i	Define open nebula.	R	2	15	CO 5
		ii	State the purpose of Eculayptus.	U	3		
		iii	Illustrate the features of google cloud services in detail.	A	10		
	OR						
	b	i	Define cloud sim.	R	2		
		ii	State the purpose of nimbus.	U	3		
		iii	Explain the microsoft cloud services and compare with other cloud services in the market.	A	10		
			Total		**75**		

/END/