Printed Page:- 04		Subject Code:- AMICSAI0611 Roll. No:					
I	NOIDA INSTITUTE OF ENGINEERING A						
(An Autonomous Institute Affiliated to AKTU, Lucknow)							
	M.Tech (Integrated)						
SEM: VI - THEORY EXAMINATION (2023 - 2024) Subject: Cloud Storage Management							
Time: 3	B Hours	Max. Marks: 100					
General :	Instructions:						
IMP: Veri	ify that you have received the question pap	per with the correct course, code, branch etc.					
<b>1.</b> This Q	uestion paper comprises of three Sect	ions -A, B, & C. It consists of Multiple Choice					
Questions	Questions (MCQ's) & Subjective type questions.						
	um marks for each question are indicated						
	ate your answers with neat sketches where	ver necessary.					
	e suitable data if necessary.						
-	ably, write the answers in sequential order neet should he left blank. Any writter	n material after a blank sheet will not be					
	d/checked.	T material after a blank sheet will hot be					
	SECTION	JA 20					
1 Attem	npt all parts:-						
		nale of an abject statement comits (CO1)					
I-a.	Select which of the following is an example of the following is a following in the following is a followed in the following in the following is a followed in the fol	nple of an object storage service.(COT)					
	(a) Amazon S3						
	(b) Dropbox						
	(c) OneDrive						
	(d) iCloud						
1-b.	Advantage of using block storage .(CO	1)					
	(a) It allows for easy collaboratio	n and sharing of files					
	(b) It is less expensive than tradi	tional storage methods					
	(c) It provides faster access to da	ta than traditional storage methods					
	(d) It can handle large amounts	of unstructured data					
1-c.	Select the right option which define assets in the cloud. (CO2)	the best practices for securing digital 1					
	(a) Regularly updating software	and firmware					
	(b) Storing data in plain text						

	(c) Allowing unauthenticated access to data	
	(d) Using weak passwords	
1-d.	Chose one option which is NOT a potential security risk in cloud storage. (CO2)	
	(a) Insider attacks	
	(b) Third-party access	
	(c) Server downtime	
	(d) Lack of integration with legacy systems	
1-e.	Zonal persistent disks provide replication of data within zone in a region. (CO3)	
	(a) Multi	
	(b) Global	
	(c) Single	
	(d) All of the mentioned	
1-f.	User can use S3 Versioning to keep version(s) of an object in the same	
	bucket. (CO3)	
	(a) Multiple	
	(b) Singal	
	(c) Dual	
	(d) None of the mentioned	
1-g.	The is a standalone terminal application that you run on your local	•
	workstation to do your data transfer. (CO4)	
	(a) Snowball Family	
	(b) Snowball Edge	
	(c) Snowball client	
	(d) None of the mentioned	
1-h.	Snowball devices are designed to be requested and used within AWS	•
	Region. (CO4)	
	(a) Multi	
	(b) Global	
	(c) Single	
	(d) All of the mentioned	
1-i.	As data becomes infrequently and rarely accessed, you can even automatically move it to _ storage, thus creating even more cost savings. (CO5)	•

	(a) higher cost			
	(b) lower - cost			
	(c) hidden cost			
	(d) simple cost			
1-j.	allow IT to quickly deliver the exact amount of storage needed, whenever and wherever it's needed. (CO5)	,		
	(a) Cloud storage services			
	(b) backup services			
	(c) hardware services			
	(d) maintenance services			
2. Atter	npt all parts:-			
2.a.	Explain Para virtualization. (CO1)	Ź		
2.b.	Define Network Blind spots. (CO2)	2		
2.c.	Define Tiered storage. (CO3)	2		
2.d.	Enlist the roles of Data Migration Architect. (CO4)	2		
2.e.	Discuss the ways in which AWS empower the CloudCall. (CO5)	2		
SECTION B 3				
	ver any <u>five</u> of the following:-			
3-a.	Explain wireless access point with their advantage and disadvantage. (CO1)	(		
3-b.	Explain Network virtualization with suitable example. (CO1)			
3-c.	Explain Security checklist in cloud security with suitable example. (CO2)			
3-d.	Discuss any six Cloud Data Security Issues with suitable example. (CO2)	(		
3.e.	Discuss the three throughput modes of Amazon EFS. (CO3)	(		
3.f.	Write short notes on: (i) AWS Snow Family (ii) AWS Snow Edge (CO4)	(		
3.g.	Explain in detail the ways in which AWS empower the Orion Health. (CO5)	(		
	SECTION C	50		
4. Answ	ver any <u>one</u> of the following:-			
4-a.	Define routers and it's application with suitable example. (CO1)	10		
4-b.	Differentiate between Public cloud and Private cloud with suitable example. (CO1)	1(		
5. Answ	ver any <u>one</u> of the following:-			
5-a.	Explain digital assets in cloud storage with suitable example and also discuss	1(		

5-b.	Discuss any six applications related issues in cloud storage management with suitable example. (CO2)		
6. Ans	wer any <u>one</u> of the following:-		
6-a.	Write short notes on: (i) Bucket (ii) Object in cloud storage (iii) Versioning (iv) Access control. (CO3)	10	
6-b.	An organization have tier 0, tier 1, tier 2 and tier 3 categories of data. Discuss these categories and provide cloud storage sloutions for these categories. (CO3)	10	
7. Ans	wer any <u>one</u> of the following:-		
7-a.	Discuss the role of Data Replication, Data Cleansing and Data Harmonization in Data Synchronization. (CO4)	10	
7-b.	Differentiate AWS Transfer Family with Database Migration Services on the basis of their usage and functionalities. (CO4)		
8. Ans	wer any <u>one</u> of the following:-		
8-a.	Explain how NASA Jet propulsion laboratory is benefitted by AWS cloud. (CO5)	10	
8-b.	Explain the role of AWS cloud in agriculture with suitable cases. (CO5)	10	

their advantage and disadvantage. (CO2)