Sl. No.:

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Register No.:	212222240048
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Date: 8 4 25

Branch & Sem.: AIML

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to Subnotting improves the to address of society.

## Answers

6A) 10 Juna

i) IP Addressing:

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addressing which is a set of numbers separated by dots. This number is given the devices as other identity.

address are the network ID and Host ID.

address which by 32 bits of A outsite and 8 bits ear.

Example: 192: 168:0:1 10000000

address which consits of 128 bits of 8 ottets and 16 bits each.

in grand but published againsp but there

Subnetting:

a longer network ento small logical notworks.

management and notwork stability.



Storage Vintualization

Network Virtualization

Disktop Vintualization

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* Subnetting user the air made we called
subnot mask, for example: If you have
a channel C network 192: 168: 0:1
with subnet mask 255: 255: 0. Q
your warget if the subnet to 1 255: 255: 255: 255: P
of souther disyon divide of the address by four.
managing of larger dates.
ii) Vintualization:
controller to the test
* Vintualization & a process of making
Vintual version to of somethings like operating
system, server, storage wand network
has vigitium of it discusted upais a struct
the Author hypervesors & Virtual Martine
Morritons) which creater and manager
the Vintual Martiner.
TOPHO VI troubly attor
* Ventual Mariane arts like a physical
markine with some permission and northition.
taxingagivax gotdash about morris of man
Types of Virtualizations your many
→ Server Vintualization

## Server Virtualization:

\* Server Ventualization devides the main large sorver into smaller survey so that almost every sub-serving able Sullettised on efficiently son partially and rose of example to devar tradus Storage Ventualization 1 1) , 81200 1300 1300 1300 bodus stiller Storage Virtualization Combines multiple stonage devices unto some which which teads to managing of larger datas. mitacilantil (1) Network Ventualization: gradina je nastag a ga pratagilantral % Metwork Workladigation larger same as the server overturalization and set can divide a single network into muttiple and and about it can combined multiple retworks into sopreum has getsen withen ( nothigh stricted barrier st Desktop Virtualization: larget a silv. stip subtent lawtord on

as birthing with allows the User to access their desktop environment from anywhere shouted to want a

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	Key Bernfits of Vintualization:
	* Durahility Amayon &
. Karaa	Avastability one of the bey
	benefits of viritualization which allows the
Dura N	weren to a access the vartual we version easily.
	timet vog literu sporota
	# It is noted to store a
	ventual version man physically.
	ated as stag of some
	pring Andra Styristopri Very durable.
	Dota,
2.	Amazon 53:
	Key two attors
	* S3 Stands for Stropk Storage Sovice
	which is provided by Awa.
(Z - )	1) (needs Burbet: The frost step is
	# + S3 mor can have tused for vortious
	purposes unulling hosting a static
.لخ	of websiterison it bodge and? (11
	And the main purpose to storage
	to be preceding
¥£	it as grithad draw states stated (w)

Benifita:

\* Scalability: At the size of data increase the storage size increases by stoolf.

Durability: Amazon 53 is 99.9

Alt percent Widdinable tand secund.

storage writill you permit

Antrial visition man physically.

2. Amnam Sa:

# Faston: S3 & faster an both simporting to and Athansfuling data,

Key Operations:

Heraff

w 53 stande go Stieple stongs which is trovided by Aus.

1) Create Burket: The first step is to create a burket and is name at

sites a frequent bulling escalar

ii) Then upload the necessarry files

users and etc.

iv) Enable static web hosting in the bucket properties.

SAVEETHA  AUTONOMOUS  FINGINEERING COLLEGE  Affiliated to Anna University   Approved by AICTE  Examination -April/May/Nov/Dec 20
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v) Host upload the unon and Indea
documents 10 4
Wo F 4
Me Host your website by liking the
host button.
IMAR taxmunal of saxts
Hosting a static website:
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
1) Firstly create a bucket with
months named matitying your are domain name.
took in Math an iso vector strike dem
ii) Then upload the web file, (for example: "index. Hern!, style. us).
the part of the pa
iii) Enable the static web hosting in
stooms that aburbet a phoperties, it and
my star with Upland the error downents, (for
eaample, enon, hatml.)
reau with sand to
v) Now you can host your static
websites in Awsit 53, souls
(MAS COO) MAN Site man part +

day cof.

(A) Amazon IAM: \* An user who is being an TAM user can manage and access various phenomenony such as: what has more soft socially others (v # promperment \* Roles. id postul je stadiu may tolenmusions, notice tour Steps to Implement IAM: Step 1: Logan Affect to show justices (1) Man Login woon sighting to withe Amazon Will service console, as an IAM in Root week, down out brain and (1) example a lade what every car. Step 2: Create User: in protest electron that the restrict in # Go to sit dash bounded in the console Wick user and their mate user. Cloyde and example \* Name the user. hote any tood and not work (V at thoose the A type of thisor. -> Programmatic user (CLI, SDK)

-> Inline user ( for web UI)

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	* With next to set permission.
	Step 3: Create Group:
	to groups and unit " create
	mad salt betweenigni ward way took
	# Name the group ap (for ex: Adm Developers, 53 Read only ).
	* Now you have created the gron
	Step 4: Set Permissions:
	* You can set permission according
	and to the mesononer.
	* For example: there one different
	permissions such as:
	* Resources
	# Effect.

	Step 5: Set MFA
	# Enabling MFA which is multi
	factor authentication is an optional but
	always recommended.
	metalinest to at their dill of
	Step 6: Final:
	appared states) of goth
1000	* Finally neview all the setting
	it by diall has popularly of and it
	# Urk "create user" and now
	that you have implemented the IAM.
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	trivilopers 53 Ross only J.
11 AK	off butions over may wolf a
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	w with set atmosphishing to the
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	SAN 300 W V V V V V V V
	assight and west there are they
	permission during the service
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