MAY 2022 - ENDSEM EXAM

T.Y. B.TECH. (COMPUTER ENGINEERING) (SEMESTER-II)

COURSE NAME: PROFESSONAL ELECTIVE-II

[CLOUD COMPUTING]

COURSE CODE: CSUA32181C

(PATTERN 2018)

Time: [1 Hr] Max. Marks: [30]

Q1)

a) List down the available Load balancers in AWS? State use case for each load balancer?

Solution:

List of all load balancers with supporting protocols = 4 marks

b) As a final year project requirement you need a Ubuntu machine? You have AWS credits. How you can use AWS credits to get UBUNTU machine?

Solution:

Steps to create EC2-instacne = 4 marks
Steps to connect to instance = 2marks

OR

b) A client wants to deploy his static website on cloud. As a cloud consultant explain how he can deploy his website on cloud. Which AWS service is suitable for the same?

Solution:

Steps to create s3 bucket = 3 marks
Deploy static website on s3 = 3 marks

Q.2) a) Compare between Zigbee and WiFi. [4 marks]

Solution:

Any 4 points: - 4 marks

b) Explain working of RFID. [6 marks]

Solution:

Explaination:- 6 marks

OR

b) Explain some services of Online Social Networking [OSN]. [6 marks]

Solution:

Explaination:- 6 marks

Q3)

a) Demonstrate commands to pull any image, start the container, stop the container, remove the image and remove the container?

Solution:

Pulling NGINX Image

- Open command prompt: [4 marks]
  - Type command "docker pull nginx"

  This will pull the "NGINX" latest image on your computer.
- To list all the images give command:
  - "docker images"
  - This will display all docker images.

1) Stop containers:
   - docker ps (lists the running containers)
   - docker stop container Id/ Name
2) Start containers:
   - docker ps (lists the running containers)
   - docker start container Id/ Name

- Command to know all containers running and stopped is
  - docker ps –a

3) Remove containers:
   - docker ps -a (lists the running containers)
   - docker rm container Id/ Name
   - Docker rmi imageid/name

b) Illustrate the Kubernetes architecture with diagram?

Solution:

Diagram :- 3 marks

Explination:- 3 marks

OR

b) Compare between the "CMD" and "RUN" command use in dockerfile? Also discuss the use cases when will you use "CMD" and in which case you will use "RUN" command?

Solution:.

Difference between CMD and RUN with example = 6 marks