Reg. No. :

Question Paper Code: 99803

B.E./B.Tech. DEGREE EXAMINATION, MAY 2022

Elective

Information technology

19UIT903- INSIGHT INTO CLOUD COMPUTING

(Regulations 2019)

Duration: Three hours   Maximum: 100 Marks

Answer All Questions

PART A - (12x 3 = 36 Marks)

1. Mention different data center deployments of Cloud Computing.   CO1- U

2. What are the many different database deployment models available with   CO1- U
    oracle cloud?

3. A new employee has just started working for your company. You create an   CO3- Ana
    Oracle Cloud infrastructure user account for this employee, following which
    they are able to log in, but still cannot create any resources. What should you
    do to resolve this?

4. You are opting for standard package. Do you need to pay extra for TDE?   CO3- Ana

5. Define VCN.   CO1- U

6. Can I mark a subnet as private? Justify.   CO3- Ana

7. Is my backup safe and secure while being stored in oracle cloud? Justify.   CO3- Ana

8. How would you secure the data while it's being transported in the cloud?   CO3- Ana

9. Your organization has deployed a large, complex application across multiple
    compute instances in Oracle Cloud Infrastructure (OCI). These compute
    instances also have block volume storage attached to them. You want to   CO3- Ana
    create a time consistent backup of these block volume storage.

10. What is the usage of Save Points in the Oracle database?   CO1- U

11. You work for a health insurance company that stores a large number of patient health records in an Oracle Cloud Infrastructure (OCI) Object Storage bucket named "Health Records". Each record needs to be securely stored for a period of 5 years for regulatory compliance purposes and cannot be modified, overwritten or deleted during this time period. What can you do to meet this requirement?   CO3- Ana

12. You have created a virtual cloud network (VCN) with three private subnets. Two of the subnets contain application servers and the third subnet contains a DB System. The application requires a shared file system so you have provisioned one using the file storage service (FSS). You also created the corresponding mount target in one of the application subnets. The VCN   CO3- Ana security lists are properly configured so that both application servers and the DB System can access the file system. The security team determines that the DB System should have read-only access to the file system. What change would you make to satisfy this requirement?

PART – B (4 x 16= 64 Marks)

13. (a) Describe the various features of Cloud computing with an example   CO1-U   (16)

Or

     (b) Describe Oracle Cloud Infrastructure with neat diagram..   CO1-U   (16)

14. (a) Describe key Virtual Cloud Network (VCN) concepts with neat diagram.   CO1-U   (16)

Or

     (b) Describe Compute Service with neat diagram.   CO1-U   (16)

15. (a) Describe concepts and uses of object storage with neat diagram.   CO2-App   (16)

Or

     (b) Describe Oracle Cloud Infrastructure Load Balancing Service concepts.   CO2-App   (16)

16. (a) Create a new Autonomous Data Warehouse Database.   CO2-App   (16)

Or

     (b) Create an Object Storage Service in oracle cloud.   CO2-App   (16)

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