Reg. No. :

Question Paper Code: 97202

B.E./B.Tech. DEGREE EXAMINATION, NOV 2023

Seventh Semester

Computer Science Engineering

19UCS702 - CLOUD COMPUTING

(Regulations 2019)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. Define Cloud Computing   CO1–U

2. What are stages involved in evolution of cloud computing?   CO1–U

3. Why object based storage is important in classic data center (CDC)?   CO1–U

4. What are core elements of CDC?   CO1–U

5. What are the types of services provided by Aneka Webservices?   CO1–U

6   What are the models used in map reduce?   CO1–U

7   Write short notes on AWS Security mechanism   CO1–U

8   Classify the frameworks in Data Governance   CO1–U

9   Draw the Google App Engine request handling architecture.   CO1–U

10 What type of services does provide by AWS?   CO1–U

PART – B (5 x 16= 80 Marks)

11. (a) Explain in detail about cloud delivery or Service model.   CO1-U   (16)

                                    Or

    (b) Describe about different types of cloud computing deployment   CO1-U   (16)
         models and its features and Limitations.

12. (a) Consider a scenario in which a company wishes to deliver IaaS to their clients. Being an administrator of the organization identify and suggest them the proper management system for CDC.   CO2-App   (16)

Or

(b) A private enterprise delivering the IaaS to their clients. In order to provide the un interrupted services to them, they are facing difficulty to recover the resources. As an administrator of this organization suggest them the proper backup and recovering techniques and apply it in-order to mitigate the issues faced by the organization.   CO2-App   (16)

13. (a) Discuss in detail about various Aneka web services and the general approach for moving workflow engines to a single machine.   CO1-U   (16)

Or

(b) Explain in detail about the various services that are provided by the Aneka framework architecture.   CO1-U   (16)

14. (a) Explain in detail about network level security in cloud computing   CO1-U   (16)

Or

(b) Describe the security concerns and countermeasures in a VDC and cloud environment.   CO1-U   (16)

15. (a) Illustrate the development of an Online Mark processing application using Google App Engine.   CO1-U   (16)

Or

(b) Explain types of roles in Windows azure for an online business application deployment. Also explain package structure and its required files for application deployment.   CO1-U   (16)

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