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BCACAEN 501

Fifth Semester B.C.A. Degree Examination, December 2023/January 2024 (NEP-2020) (2023-2024 Batch Onwards) CLOUD COMPUTING (DSE – E1)

Time : 2 Hours

Max. Marks : 60

Note : Answer **any six** questions from Part – A and **one full** question from each Unit in Part – B.

PART – A

1. a) Define cloud computing. (6×2=12)
b) Differentiate cluster computing and grid computing.
c) List the different layers of cloud computing architecture.
d) What are hypervisors ? List three modules of it.
e) List the services installed in the Aneka container.
f) What are Aneka daemon and Aneka repository ?
g) What is AWS ? List any two types of services provided by AWS.
h) What is AppFabric ? List the services it provides.

PART – B

UNIT – I

2. a) Explain in brief any three different computing paradigms.
b) Explain various applications of cloud computing. (6+6)
3. a) Explain the features of cloud computing.
b) Explain in brief the advantages and disadvantages of cloud computing. (6+6)



UNIT – II

4. a) Write a note on PaaS.
- b) Explain different characteristics of virtualization. (6+6)
5. a) Write a note on IaaS.
- b) Explain different types of clouds. (6+6)

UNIT – III

6. a) Explain in brief the logical organization of Aneka clouds.
- b) Explain public cloud deployment mode. (6+6)
7. a) Explain different components of the Aneka framework.
- b) Explain the service life cycle of the Aneka service model. (6+6)

UNIT – IV

8. a) What is an EC2 Instance ? Explain different categories of EC2.
- b) Write a note on the Application life cycle in Google AppEngine. (6+6)
9. a) What are storage services ? Explain S3 key concepts in storage services.
- b) Explain different storage services of Microsoft Azure. (6+6)