BCACAEN 501

Fifth Semester B.C.A. Degree Examination, December 2024/January 2025
(NEP – 2020) (2023 – 2024 Batch Onwards)
CLOUD COMPUTING

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. Answer **any six** questions. (6×2=12)

    a) Differentiate parallel computing and cloud computing.

    b) Expand CSC and CSP.

    c) Define :
      i) Aggregation
      ii) Isolation

    d) What are hypervisors ? List three modules of it.

    e) What are the different models supported by the Aneka clouds ?

    f) What are Aneka daemon and Aneka repository ?

    g) What is a bucket ? Specify the type of storage it provide.

    h) What are DropBox and iCloud ?

PART – B
Unit – I

2. a) Explain in detail distributed computing with examples.

    b) Explain the features of cloud computing. (6+6)

3. a) Explain briefly about cluster computing and grid computing with examples.

    b) Explain any most leading platforms of cloud computing. (6+6)

P.T.O.

Unit – II

4. a) Explain cloud reference model with diagram.
   b) Explain any three types of virtualization. (6+6)

5. a) Write a note on IaaS.
   b) Explain Xen architecture with a diagram. (6+6)

Unit – III

6. a) Explain the infrastructure organization of Aneka clouds.
   b) Differentiate private, public and hybrid cloud deployment mode. (6+6)

7. a) Explain fabric services offered by Aneka cloud platform.
   b) Explain the service life cycle of the Aneka service model. (6+6)

Unit – IV

8. a) Explain any two services of Amazon web service.
   b) Write a note on the application life cycle in Google AppEngine. (6+6)

9. a) Explain different roles in Compute service of Microsoft Azure.
   b) What is AppFabric ? Explain different services of AppFabric. (6+6)

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