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Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 26421 Roll No. 1 2 3 0 2 6 9 0 2 8

BCA Examination 2024-25

(Even Semester)

CLOUD COMPUTING

Time : Three Hours] *[Maximum Marks : 60*

Note :– Attempt all questions.

SECTION–A

1. Attempt all parts of the following : $1 \times 8 = 8$

   (a) Who introduced the concept of cloud computing?

   (b) What do you mean by scalability in cloud computing?

   (c) Name an example of type-1 hypervisior.

   (d) Define confidentiality.

   (e) Mention any two advantages of cloud computing.

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(f) Explain asymmetric encryption.

(g) What is resource pooling?

(h) Name any two cloud service providers.

SECTION – B

2. Attempt any two parts of the following : $2 \times 6 = 12$

(a) Explain cloud characteristics with example.

(b) Define cloud deployment model.

(c) What do you mean by identity and access control ?

(d) Differentiate between full and para virtualization.

SECTION – C

Note:- Attempt all questions. Attempt any two parts from each question. $8 \times 5 = 40$

3. (a) Describe the challenges of cloud computing in detail.

(b) Differentiate between grid and parallel computing.

(c) What do you mean by cloud computing. Explain the need of cloud computing.

4. (a) Explain hypervisor along with its type.

(b) Define NIST cloud computing reference architecture in detail.

(c) What do you mean by cloud service model? Explain along with its types.

5. (a) Define virtualization and its role in cloud computing.

(b) Explain amazon web services (AWS).

(c) How data memory virtualization improves system performance?

6. (a) What do you mean by encryption? Explain its types.

(b) Explain cloud security fundamental.

(c) What are the different types of cloud security threats?

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