S.No. : 189

BCACSN14201

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

PAPER ID : 26419 Roll No. 1 2 3 0 2 6 9 0 2 8

BCA Examination 2024-25

(Even Semester)

APPLY END TO END SECURITY TO CLOUD APPLICATION

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

Note :– Attempt all questions.

SECTION – A

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

   (a) What is the purpose of cloud broker?

   (b) Define the role of FIPS in cyber security.

   (c) Explain data tokenization.

   (d) Give one difference between public and private cloud.

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(e) Dicuss about the cloud security.

(f) Give the two common threats for application.

(g) Define cryptographic shredding.

(h) What is containerization?

SECTION – B

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

(a) Compare IDS and IPS with key difference.

(b) Discuss enterprise cloud management and its key challenges.

(c) How does API key security help in preventing from cyber attack?

(d) Define the key benefits of cloud security models.

SECTION – C

3. Attempt any two parts from each question. Each part carry equal marks. $8 \times 5 = 40$

(a) What is SDN, and how does it improve cloud security?

(b) Describe risk assessment methodologies in cloud security.

(c) Define step by step process to make a railway chatbot in AWS.

4. (a) Explain SSRF with an example.

(b) Describe *OWASP top* 10 vulnerabilities and their impact on web applications.

(c) How does IBM cloud support enterprise cloud management and security?

5. (a) Explain how ENISA contributes to cloud security?

(b) Define the importance of chain of custody in digital forensics.

(c) Describe the importance of ISO standard in cloud security.

6. (a) Elaborate top 10 services of IBM cloud and its usage.

(b) What is data dispresion in cloud storage and what are its benefits?

(c) Describe the mapping of key data function in cloud security.

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