

**Integ M.Sc. CSF (Rep) Semester-4 Examination****ICSF-210 EA****IOT Security or Cloud Computing (Ele-5)****Time : 2-30 Hours]****April-2024****[Max. Marks : 70****Instructions:** Illustrate your answers with neat diagrams wherever necessary.**Ques.1 Answer the following questions:**

- i. Explain cloud storage architecture and its working? Explain with diagram. 7Marks
- ii. What is cloud deployment model. Explain in detail. 7Marks

**OR**

- i. What is cloud computing? Explain with example. 7Marks
- ii. List all cloud computing characteristics in detail. 7Marks

**Ques.2 Answer the following questions:**

- i. Explain container lifecycle with the help of diagram. 7Marks
- ii. What is docker engine? Explain with the help of a diagram. 7Marks

**OR**

- i. Explain kubernetes features. 7Marks
- ii. What is docker swarm? explain in detail. 7Marks

**Ques.3 Answer the following questions:**

- i. Explain Serverless computing in detail. 7Marks
- ii. Write down the difference between serverless and container. 7Marks

**OR**

- i. Write down R6 to R10 cloud security risk. 7Marks
- ii. What is serverless? Explain with the help of diagram. 7Marks

**Ques.4 Answer the following questions:**

- i. What is Broken Authentication? Write down maximum impact of it. 7Marks
- ii. Explain Broken access control in details. 7Marks

**OR**

- i. Write down mitigation steps for XSS and Injection. 7Marks
- ii. In cloud storage architecture Data management and api work on which layer? 7Marks

**Ques.5 Attempt any seven out of twelve.****14Marks**

1. What is cloud computing?
2. Give any two-cloud service provider name
3. How many different types of services provide in cloud computing?
4. Explain the word orchestration.
5. What is node?
6. Which script is used in reverse tabnaming vulnerability exploration.
7. What is serverless computing?
8. Give full form: 1) FaaS 2) SECaaS
9. What is cloud computing threats?
10. What is infrastructure security risk?
11. What is sqlmap?
12. What is bypassing isolation?

