

371

Register No.:

April 2024

*Time – Three hours*  
*(Maximum Marks: 100)*

- [N.B. 1. Answer all questions under Part-A. Each question carries 3 marks.  
2. Answer all the questions either (a) or (b) in Part-B. Each question carries 14 marks.]

PART – A

1. What are the Regularity issues?
2. List out the benefits of cloud computing.
3. Why do we need Google App Engine?
4. Write about SPI framework.
5. Define tenancy.
6. List out the issues in handling virtual threats.
7. Draw the generic block diagram of an IoT device.
8. Write down IOT communication Models.
9. List the Linux system commands supported by Raspberry Pi.
10. What is the use of GPIO pins?

[Turn over.....

PART – B

11. (a) Discuss about any three architectural influences for cloud technology.

(Or)

(b) Explain about essential characteristics of cloud computing.

12. (a) Discuss about the cloud architecture with a neat diagram. Write the differences among PaaS, SaaS and IaaS.

(Or)

- (b) (i) Explain the advantages of cloud computing. (4)  
(ii) Explain any two cloud deployment models. (10)

13. (a) Discuss about the Cloud Security Alliance (CSA) Model with a neat diagram.

(Or)

(b) Explain about how to ensure security for a virtualization environment.

14. (a) Explain about the various IoT protocols.

(Or)

(b) How a Level-6 IoT system is designed and deployed? Explain with a neat diagram.

15. (a) Explain the requirements specification and Process specification steps with a neat diagram.

(Or)

(b) Discuss about Raspberry Pi board.

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