

November 2022

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 is Cloud computing?
2. List out the benefits of cloud computing.
3. Define the front end and back end sections of cloud architecture.
4. Discuss the elements of Google platform briefly.
5. State the cloud security factors.
6. Define encryption. How encryption helps in securing the data in cloud?
7. Define Internet of Things.
8. List any three basic services offered by Cloud Computing.
9. How do you define the Information Model Specification for an IoT system?
10. Write about the IoT device :pcDuino

[Turn over.....

PART – B

11. (a) Discuss the architectural influences for cloud technology.
(Or)
(b) (i) What is high scalability architecture? Discuss in detail.
(ii) Discuss about Web Services in detail.
12. (a) Discuss in detail the blocks of cloud architecture with a neat diagram.
(Or)
(b) (i) Explain the advantages of cloud computing.
(ii) Explain any two cloud deployment models.
13. (a) (i) Explain the factors to be checked to assess cloud security.
(ii) Discuss the common security measures implemented in cloud.
(Or)
(b) (i) What is storage location and tenancy? Explain.
(ii) How the data gateway improves data security? Explain.
14. (a) Explain characteristics of IoT in detail.
(Or)
(b) Discuss any three technologies that enable IoT.
15. (a) Explain the Process and Requirements step for an IoT system design, with a neat diagram.
(Or)
(b) How to define the Operational View Specification in an IoT system design? Explain.
