

MODEL QUESTION PAPER - I

Time : 3 Hrs

Max Marks : 100

Note : (i) Answer all the question from Part - A. Each question carries 3 marks.

(ii) Answer division (A) or (B) of each question in Part - B. Each question carries fourteen marks.

PART - A (10 x 3 = 30 Marks)

1. Briefly explain what is cloud computing?
2. Explain horizontal scaling.
3. What is web operating system? Explain.
4. What is public cloud? Explain.
5. What do you mean by encryption? Explain briefly.
6. Mention some of the security challenges in cloud computing.
7. Mention any three characteristics of IoT.
8. What do you mean by embedded systems? Explain.
9. What is an IoT device? Explain.
10. Briefly explain device and component integration in IoT design.

PART - B (5 x 14 = 70 Marks)

11. (a) Explain the following:

- (i) Utility and enterprise grid computing
- (ii) Web services

(OR)

(b) Explain the security concerns in cloud computing with its benefits.

M.Q.2

12. (a) Explain the services and benefits of PaaS.
(OR)
(b) Explain cloud deployment model.
13. (a) With neat diagram, explain brokered cloud storage access.
(OR)
(b) Explain security policy implementation and policy types.
14. (a) Explain in detail about various IoT communication models.
(OR)
(b) Explain any three IoT enabling technologies.
15. (a) Explain the following in IoT design
(i) Purpose and requirement specification.
(ii) Process specification.
(OR)
(b) Explain the following:
(i) About Raspberry Pi board
(ii) Raspberry Pi interfaces

M.Q.3

MODEL QUESTION PAPER - II

Time : 3 Hrs

Max Marks : 100

Note : (i) Answer all the question from Part - A. Each question carries 3 marks.

(ii) Answer division (A) or (B) of each question in Part - B. Each question carries fourteen marks.

PART - A (10 x 3 = 30 Marks)

1. Explain scalability in cloud computing.
2. Explain high performance computing.
3. Explain SPI framework.
4. Describe about Google App Engine.
5. Explain virtualization security management.
6. What do you mean by security service boundary? Explain.
7. Explain wireless sensor networks.
8. Briefly explain IoT level-3.
9. What are the other IoT devices used other than Raspberry Pi?
10. Briefly explain information model specification in IoT design.

PART - B (5 x 14 = 70 Marks)

11. (a) Explain the essential characteristics of cloud computing.

(OR)

- (b) Explain the following:

- (i) Web services
- (ii) High scalability architecture

M.Q.4

12. (a) Explain SPI framework in detail.
(OR)
(b) Explain cloud deployment model.
13. (a) Explain CSA reference model in detail.
(OR)
(b) (i) Write briefly about cloud computing security challenges.
(ii) Write short notes on virtual threats.
14. (a) Explain about various IoT protocols in detail.
(OR)
(b) Explain any three IoT levels.
15. (a) Explain the following in IoT design.
(i) Domain model specification
(ii) Operational view specification
(OR)
(b) (i) What are the basic building blocks of an IoT device? Explain them.
(ii) Explain about linux on Raspberry Pi.