Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐☐☐

Question Paper Code : 50438

B.E./B.Tech. DEGREE EXAMINATIONS, APRIL/MAY 2023.

Sixth/Seventh/Eighth Semester

CS 8791 — CLOUD COMPUTING

(Common to Computer Science and Engineering/Computer and Communication Engineering/Artificial Intelligence and Data Science/Computer Science and Business Systems/Information Technology)

(Regulations 2017)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is cloud elasticity?

2. State the advantages of on-demand provisioning in cloud.

3. What are the technologies that make up the core of web services?

4. Distinguish between Traditional computer and Virtualized computer.

5. How Hybrid Clouds are formed?

6. Mention the design goals of Cloud platform.

7. Define resource management in Cloud.

8. State data lock-in problem in Cloud.

9. What is Hadoop?

10. Identify the four levels of Federations in Cloud.

PART B — (5 × 13 = 65 marks)

11. (a) Illustrate the underlying principles of Parallel and Distributed computing.

Or

(b) Elaborate the various cloud characteristics and its benefits.

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12. (a) With a neat diagram explain the components of service oriented architecture.

Or

(b) Give the virtualization structure and explain the various types of virtualization.

13. (a) Explain the service delivery models of cloud computing.

Or

(b) Compare and contrast private, Public and by brid cloud with suitable examples.

14. (a) Discuss about resource provisioning methods in Cloud.

Or

(b) Elaborate about reputation-guided protection of Data centers.

15. (a) Demonstrate the programming environment of Google App Engine.

Or

(b) Write short notes on Federation in the cloud.

PART C — (1 × 15 = 15 marks)

16. (a) Consider an organization that is implemented with a private cloud environment. Specify how to virtualize the environment.

Or

(b) Open stack is open cloud ecosystem. justify it.

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