

S.No. 594

12PCAZ10

(For the candidates admitted from 2012–2013 onwards)

M.C.A. DEGREE EXAMINATION, NOVEMBER 2017.

Fifth Semester

Elective — EMERGING TRENDS IN COMPUTING

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) What are the layers involved in grid computing environment? Explain.

Or

- (b) Explain the important issues in data grids.

2. (a) Describe cluster programming environment and tools.

Or

- (b) Write about various cluster classification.

3. (a) Explain the concept of distributed computing.

Or

- (b) Why is cloud computing important? Explain it.

4. (a) Write short notes on "On - Demand Computing" of cloud service development.

Or

- (b) How does IBM cloud work? Give a note.

5. (a) How can cloud help families to improve their communication? Explain.

Or

- (b) Describe collaborating on contract list in cloud computing.

PART B — (5 × 10 = 50 marks)

Answer ALL questions.

6. (a) Describe service oriented architecture for grid computing.

Or

- (b) Write a detailed note on specifications for WSRF.

7. (a) What is resource management system? What are the policies for resource utilization in cluster computing?

Or

- (b) Discuss on the following with respect to cluster computing :

- (i) High performance
- (ii) High availability.

8. (a) Describe the architecture of cloud computing system.

Or

- (b) What are the advantages and disadvantages of cloud computing? Explain.

9. (a) What is the need to develop web-based application? Explain.

Or

- (b) What are the types of cloud service development? Explain them.

10. (a) Discuss on cloud computing further community.

Or

- (b) How to collaborate on To-do lists for cloud computing? Explain it.