S.No. 136

12PCS06

(For the candidates admitted from 2012–2013 onwards)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2017.

Second Semester

Computer Science

DISTRIBUTED COMPUTING AND LINUX

Time : Three hours   Maximum : 75 marks

SECTION A — (5 × 5 = 25 marks)

Answer ALL questions.

1.   (a)   Explain about the distributed system goals.

Or

(b)   Discuss about the Network operating system with details.

2.   (a)   Describe about the software agents.

Or

(b)   Write notes on the implementation of namespace.

3. (a) Explain about the clock synchronization.

Or

(b) Write notes on the update propagation.

4. (a) Describe about the fault tolerance.

Or

(b) Explain about the overview of WWW.

5. (a) Describe about the software features.

Or

(b) Explain about the shell variables.

SECTION B — (5 × 10 = 50 marks)

Answer ALL questions.

6. (a) Briefly explain about the Heterogeneous multicomputer systems with details.

Or

(b) Explain about the Client server architecture with details.

7. (a) Briefly discuss about the approaches to code migration with details.

Or

(b) Write notes on naming versus locating entities.

8. (a) Briefly explain about the synchronized algorithms and use of clocks with details.

Or

(b) Write notes on linearizability and sequential consistency.

9. (a) Briefly explain about the failure masking and replication with details.

Or

(b) Discuss about the overview of CORBA.

10. (a) Explain about the difference between Linux and other operating system with details.

Or

(b) Discuss about the file and directory operation.

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