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C14-CM-506

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BOARD DIPLOMA EXAMINATION, (C-14)
MARCH/APRIL—2017
DCME—FIFTH SEMESTER EXAMINATION
CLOUD COMPUTING

Time : 3 hours]

[Total Marks : 80

PART—A

3×10=30

Instructions : (1) Answer **all** questions.
(2) Each question carries **three** marks.
(3) Answer should be brief and straight to the point and shall not exceed *five* simple sentences.

1. Define distributed computing.
2. List any three features of cloud computing.
3. Differentiate grid and cluster computing.
4. Write any three differences between parallel and distributed computing.
5. Write a short note on RPC (Remote Procedure Call).
6. Write any three advantages of virtualization.
7. List any three softwares used for virtualization.
8. What is community cloud?

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9. Define security.

10. Define privacy and trust.

PART—B

10×5=50

Instructions : (1) Answer *any five* questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. What is parallel computing? Explain levels of parallelism.

3+7=10

12. Explain the system architectural styles of distributed computing.

10

13. Explain (a) programming Language Level virtualization and (b) application level virtualization.

5+5=10

14. (a) Explain about OS level virtualization.

5

(b) Explain the role of virtualization in cloud computing.

5

15. Explain Infrastructure as a Service (IaaS) cloud.

10

16. Explain the public clouds.

10

17. Explain Network Level Security and Application Level Security.

5+5=10

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18. (a) Explain how cloud computing can be used in health care.

5

(b) Explain the history of cloud computing.

5

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