



C14-CM-506

4629

**BOARD DIPLOMA EXAMINATION, (C-14)**  
**MARCH/APRIL—2018**  
**DCME—FIFTH SEMESTER EXAMINATION**  
**CLOUD COMPUTING**

Time : 3 hours ]

[ Total Marks : 80

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**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 grid computing.
2. List any three challenges of cloud computing.
3. List any three cloud service providers.
4. What is remote procedure call?
5. Differentiate between parallel and distributed computing.
6. Define virtualization and give any two advantages of virtualization.
7. Write a short note on VM ware.

- \* 8. List the cloud deployment models.
- 9. Define privacy.
- 10. List the applications of cloud computing.

**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. Explain the approaches to parallel processing. 10
- 12. Explain about the software architectural styles of distributed computing. 10
- 13. Explain the hardware level virtualization technique. 10
- 14. (a) Explain the programming language level virtualization. 5  
(b) Write about Microsoft Hyper-V. 5
- 15. Explain infrastructure as a service in cloud computing. 10
- 16. Explain about private clouds. 10
- 17. Explain (a) host level security and (b) application level security. 5+5=10

- \* 18. (a) Explain how cloud computing can be used in Biology. 5  
(b) List the advantages and disadvantages of cloud computing. 5

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