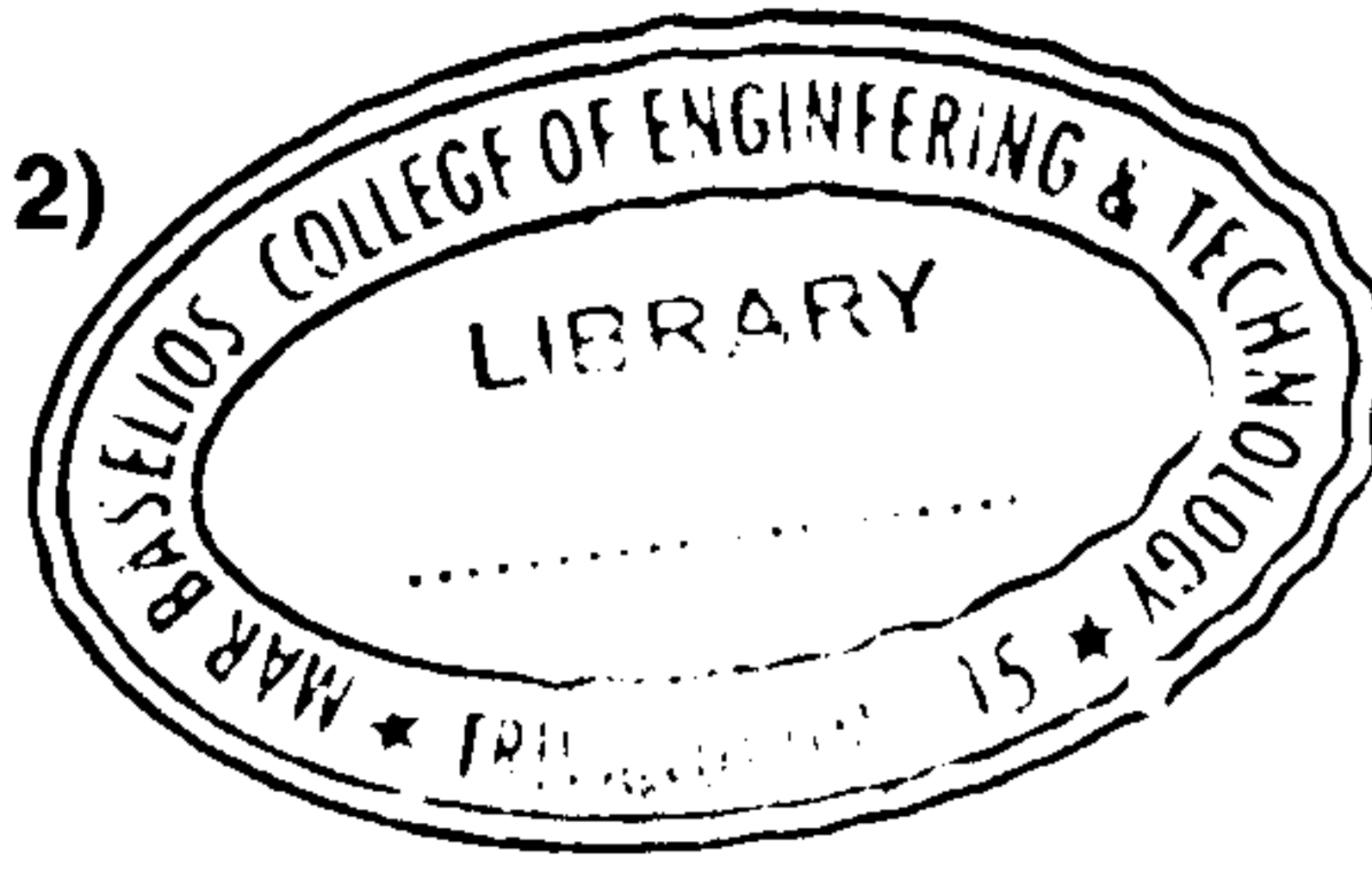




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F – 2953

Reg. No. :

Name :

Eighth Semester B.Tech. Degree Examination, December 2018
(2013 Scheme)
13.804.2 : CLOUD COMPUTING (FR)
(Elective – III)

Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions; **each** question carries **4** marks.

1. Compare and contrast distributed computing and cloud computing.
2. Differentiate between full virtualization and para virtualization.
3. What is the need of datacenter in cloud computing ? Whether it should be virtualized or not ? If so, why ?
4. Give the concept of compute cloud.
5. Write in brief about SaaS security.

PART – B

Answer **any one** question from **each** Module.

Module I

6. With a neat sketch explain the NIST cloud computing reference architecture. **20**

OR

7. a) Explain in detail the three most common cloud service models. **15**
b) Comment on on-demand computing. **5**

Module – II

8. Explain the concept of hardware virtualization. What are the different types of hardware virtualization techniques ? Discuss them in detail. **20**

OR

P.T.O.



- 9. a) What is multi-tenancy in cloud computing ? List and explain the merits and demerits of multi-tenancy. 10
- b) Explain the concept of hypervisor. 5
- c) Write in brief about memory virtualization. 5

Module – III

- 10. a) List and explain at least five key services offered by the inter-cloud service. 10
- b) Explain resource provisioning in cloud computing. What are the different methods for resource provisioning ? 10

OR

- 11. a) Write in detail about storage cloud. 10
- b) Explain the challenges while designing cloud architecture. 10

Module – IV

- 12. a) Explain in brief enterprise risk management. 10
- b) What do you think are the risks/vulnerabilities associated with virtual machines ? 10

OR

- 13. a) Discuss about the major identity and access management functions that are essential for successful and effective management of identities in the cloud. 10
- b) Write a note on data security. 5
- c) List the challenges in cloud security. 5

