

**(SEM III) THEORY EXAMINATION 2017-18
CLOUD COMPUTING****Time: 3Hours****Max. Marks: 100****Note:** Attempt all Sections. Assume missing data, if any.**SECTION-A**

1. Attempt all questions:

10 x 2 = 20

- a) What is a Hypervisor?
- b) What do you mean by a Standard?
- c) What do you mean by cloud database?
- d) What do you mean by NoSQL?
- e) What do you mean by full virtualization?
- f) What are the major challenges faced in cloud?
- g) Differentiate between Grid Computing and Distributed computing.
- h) What is web conferencing?
- i) What is Hunt calendar?
- j) What do you mean by Groupware?

SECTION-B

2. Attempt any five of the following:

10 x 5 = 50

- a) Describe the characteristics of cloud computing environments.
- b) What do you understand by service oriented architecture (SOA)? How it support cloud computing?
- c) Explain the services provided by Amazon infrastructure cloud from user perspective.
- d) What do you understand by cloud analytics? Explain also describe how it works?
- e) What is the difference between process virtual machines, host VMMs and native VMMs.
- f) Explain the risk from multi-tenancy with respect to various cloud environments.
- g) Describe the major cloud features of Google application engine.
- h) Enlist and explain some of the common pitfalls that come with virtualizations.

SECTION-C

Attempt any two of the following:-

15 x 2 = 30

3. What do you mean by communication as service? Discuss any two service provider used in cloud computing in detail.
4. Explain the virtual machine monitor? Discuss the properties of a virtual machine. Distinguish between Xen and hyper-V.
5. Write the short notes on the following -
 - (i) IaaS
 - (ii) SaaS
 - (iii) PaaS
 - (iv) DaaS
 - (v) MaaS