

PE-851-CV-19
MASTER OF SCIENCE IN INFORMATION TECHNOLOGY (4th Semester)
Examination, June 2022
CLOUD COMPUTING

Time : Three Hours]

[Maximum Marks : 80
[Minimum Pass Marks : 29

Note : Answer from both the Sections as directed. The figures in the right-hand margin indicate marks.

Section-A

Q.No.1. Answer the following:

(2 × 10 = 20 Marks)

1. What is cloud computing?
2. Write about DSaaS?
3. Mention platforms which are used for large scale cloud computing?
4. Write name of different models for deployment in cloud computing?
5. What are the security aspects provided with cloud?
6. What is the requirement of virtualization platform in implementing cloud?
7. Before going for cloud computing platform what are the essential things to be taken i concern by users?
8. Mention the name of some large cloud providers and databases?
9. Explain the difference between cloud and traditional datacenters?
10. What are the business benefits involved in cloud architecture?

Section-B

Answer the following:

(12 × 5 = 60 Marks)

Q.No.2 What do you mean by cloud? Explain architecture of cloud computing.

OR

What is grid computing? Compare between cloud and grid computing.

Q.No.3 What do you mean by virtualization? Write its advantages and disadvantages.

OR

What is hypervisor? How it is important for cloud computing?

Q.No.4 Explain deployment models of cloud computing.

OR

Explain Service models of cloud computing.

Q.No.5 What do you mean by cloud migration? What are the different types of cloud migration strategies?

OR

Write notes on following:

- a) Migrating Applications b) Service Level Agreement

Q.No.6 Explain cloud applications.

OR

Write notes on following:

- a) AWS b) Energy Efficiency in cloud c) Federated Clouds/InterCloud