

M. SC. (Computer Science) SEM – II (CBCS 2018 Course) :

SUMMER - 2019

SUBJECT : CLOUD COMPUTING

Day : Saturday
Date : 13/04/2019

Time : 03.00 PM TO 06.00 PM
Max. Marks : 60

S-2019-1237

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
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Q.1 Describe different types of cloud deployment models. Explain the usage scenarios and applications of cloud computing. [15]

OR

Elaborate the needs, types and pros, cons of virtualization.

Q.2 A) Answer **ANY ONE** of the following: [08]
i) Explain SaaS, PaaS and IaaS in cloud services.
ii) Describe collaborating on calendars and Task Management.

B) Answer **ANY ONE** of the following: [07]
i) Elaborate different types of virtualization.
ii) Explain threats to cloud security with reference to cloud service users and cloud service providers.

Q.3 Answer **ANY THREE** of the following: [15]
a) Illustrate different types of hypervisors.
b) Explain architecture of Sales Force and Google App Engine.
c) Describe cloud security challenges.
d) Explain key characteristics of cloud computing as per NIST.
e) Explain services provided by Microsoft Azure.

Q.4 Write short notes on **ANY THREE** of the following: [15]
a) Hadoop Framework
b) Challenges of cloud security challenges
c) MapReduce
d) Collaborating via Blogs and Wikis
e) Nimbus cloud computing system

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