

Total No. of Printed Pages:02

SUBJECT CODE NO:- H-465
FACULTY OF SCIENCE AND TECHNOLOGY
B.E. (CSE)
Elective-I: Cloud Computing
(REVISED)

[Time: Three Hours]

[Max.Marks: 80]

- N.B Please check whether you have got the right question paper.
1. Question No. 1 & 6 are compulsory.
 2. Attempt any two from remaining questions from each section.

Section A

- | | | |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Q.1 | Write short notes on any two. | 10 |
| | <ol style="list-style-type: none"> a) Grid computing b) Monitoring –as-a-service c) Storage Virtualization | |
| Q.2 | <ol style="list-style-type: none"> a) Explain in detail storage-as-a-service. What are the benefits, drawbacks of it? b) What is Web-service? Compare between SOAP and REST web-services. | <p>08</p> <p>07</p> |
| Q.3 | <ol style="list-style-type: none"> a) Explain in detail Paas. What are the benefits and drawbacks? b) Explain a user view of GAE with suitable block schematic. | <p>08</p> <p>07</p> |
| Q.4 | <ol style="list-style-type: none"> a) Explain in detail about parallel and distributed computing. b) What is Hypervisor? What is the difference between process, host and native VMMs. | <p>08</p> <p>07</p> |
| Q.5 | <ol style="list-style-type: none"> a) Explain in detail about SAAS. b) Explain in detail about SOAP, WSDL and UDDI web-service. | <p>08</p> <p>07</p> |

Section B

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| Q.6 | Write short notes on any two:- | 10 |
| | <ol style="list-style-type: none"> a) MEMS b) Security challenges in cloud c) Pig | |

- Q.7 a) Define privacy. Explain in detail about data-life cycle phases. 08
 b) Explain in detail about types of mobile devices used to access mobile web services. 07
- Q.8 a) Explain in detail about Big-Table and Dynamo databases. 08
 b) What is Map-Reduce? Explain in detail about Map-Reduce Model with an example. 07
- Q.9 a) Define WAP. Explain in detail different WAP protocol stack used for Mobile devices. 08
 b) Explain in detail about Infrastructure security at Host level. 07
- Q.10 a) Explain and derive parallel efficiency of parallel computing. 08
 b) Brief on Relational operation using Map-Reduce. 07