

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2017

Subject Name : Cloud Computing

Subject Code : 4TE06CLC1

Branch: B.Tech (CE)

Semester : 6

Date : 19/04/2017

Time : 02:30 To 05:30

Marks : 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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Q-1

Attempt the following questions:

- | | |
|------------------------------------------------------------------|-----------|
| a) What is Grid Computing? | 01 |
| b) What is Cluster farm? | 01 |
| c) What do you mean by Cloud Computing? | 01 |
| d) List down different types of data that is stored on clouds. | 01 |
| e) What is Virtualization ? | 01 |
| f) What is the use of RMI? | 01 |
| g) List down the players of Cloud Computing. | 01 |
| h) What do you mean by flexible load sharing? | 01 |
| i) List down advantages of Cluster computing. | 01 |
| j) Define term Workload in Cloud computing. | 01 |
| k) List down key services of SSI. | 01 |
| l) List out pros and cons of cluster computing. | 01 |
| m) Define the term Production Grid. | 01 |
| n) List down the major driving forces behind the growth of SaaS. | 01 |

Attempt any four questions from Q-2 to Q-8

Q-2

Attempt all questions

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|---------------------------------------------------------------------------|-----------|
| a) Explain various types of workload in cloud with their characteristics. | 07 |
| b) Explain Amazon EC2 project with its contribution in IaaS. | 07 |

Q-3

Attempt all questions

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|-----------------------------------------------------------------------------------------------|-----------|
| a) Discuss Cross Site Trust Management in Grid Computing. | 07 |
| b) Explain Open Grid Service Architecture in detail with suitable example of production grid. | 07 |

Q-4

Attempt all questions

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|--------------------------------------------------------------------------------------------------------|-----------|
| a) Why Grid is consider as next generation internet? How Grid provides restricted access to Resources? | 07 |
| b) Explain critique perspectives of Grid. | 07 |



- Q-5** **Attempt all questions**
- a) Using appropriate example illustrate how the SaaS model works? **07**
 - b) Explain FLS algorithm and resource location study. **07**
- Q-6** **Attempt all questions**
- a) Explain High Performance Virtual Machine and Clumps (Clusters of SMP) with their advantages and disadvantages. **07**
 - b) What is significance of PaaS? Explain the role of Google’s App engine platform in PaaS. **07**
- Q-7** **Attempt all questions**
- a) Explain the role of Resource Management and Resource Scheduling in Cluster computing. **07**
 - b) What is the difference between grid computing and Cluster computing? Explain the future of grid computing in detail. **07**
- Q-8** **Attempt all questions**
- a) Explain pros and cons of cloud computing. Discuss where to use cloud computing and where not to use cloud computing. **07**
 - b) What is use and significance of Microsoft’s Azure platform in cloud computing? Explain components of Azure. **07**

