

Enrollment No: _____ Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2019

Subject Name: Advanced Computing

Subject Code: 4TE08ACO1

Branch: B.Tech (IT)

Semester: 8

Date: 22/04/2019

Time: 10:30 To 01:30

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 : (14)

- a) What do you mean by grid service?
- b) What is sequential computing?
- c) Explain Symmetric Multiprocessors.
- d) What is MPI?
- e) What are features of cluster?
- f) What is Myrinet?
- g) What is a web service?
- h) What is drawback of cloud computing?
- i) What do you mean by service policy?
- j) Define UDDI.
- k) What is WSDL?
- l) What do you mean by virtualization?
- m) What do you mean by open standards?
- n) What is peer to peer system??

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

Q-2 Attempt all questions

- a) What is Cluster Computing? What are applications of Cluster? Give the difference between Cluster and Virtualization. **07**
- b) What are commodities Component of cluster? Explain in brief. **07**

Q-3 Attempt all questions

- a) What are the ways to improve performance in computing? Explain in brief. **07**
- c) Explain resource Management and Scheduling in brief. **07**



- Q-4 Attempt all questions**
- a) What is Grid Computing? Explain grid computing with three simple use cases? **07**
 - b) Explain Architecture of Legion and Nimrod. **07**
- Q-5 Attempt all questions**
- a) Explain Business On Demand and Infrastructure Virtualization. **07**
 - b) Write short note on semantic Grid. **07**
- Q-6 Attempt all questions**
- a) Explain relation between grid service and web service. **07**
 - b) Explain cloud services and applications by Type **07**
- Q-7 Attempt all questions**
- a) What is cloud computing? Explain Deployment model of cloud computing. **07**
 - b) What is role of Cloud Computing For Everyone? Explain with Example. **07**
- Q-8 Attempt all questions**
- a) How cloud computing is useful for task management and event management? Explain with example **07**
 - b) Explain role of cloud computing for collaborating on project management and collaborating on presentation with example. **07**

