GUJARAT TECHNOLOGICAL UNIVERSITY

MCA - SEMESTER-IV • EXAMINATION – SUMMER 2016

Subject Code: 2640013 Date: 04/06/2016 **Subject Name: Cloud Computing** Time: 10.30 AM TO 01.00 PM **Total Marks: 70 Instructions:** 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. What is the innovative characteristic of cloud computing? Explain in brief 7 0.1 the technologies on which cloud computing relies. What is SLA in cloud computing? Briefly summarize the challenges still 7 open in cloud computing. Identify the reasons that parallel processing constitutes an interesting option 0.2 7 for computing. 7 **(b)** Describe the different levels of parallelism that can be obtained in a computing system. OR Define Distributed Computing. Explain components of Distributed 7 Computing. Define Cloud Computing. Explain with example PAAS(Platform as a 7 **Q.3** service). 7 Explain one cloud based application which is used for Healthcare. OR Q.3 Explain one cloud based application which is used in Biology. 7 7 **(b)** What are the types of Cloud? Explain any two in detail. 7 **Q.4** (a) Explain pros and cons of Virtualization. List out various web services provide by Amazon with its usage. 7 OR **Q.4** Write short note on VMvare – Technology for virtualization. 7 (a) Write short note on Google AppEngine platform architecture. **(b)** 7 Q.5 (a) What is S3 in context with Amazon. Explain said service in detail. 7 **(b)** Explain Error Handling Mechanism in Amazon AWS Flow Framework. 7 OR Q.5 What Federated Cloud? What we can expect in Cloud federation reference 7 (a) stack. What is energy-efficient computing, and why it is fundamental to cloud 7 **(b)** computing? ********