**Cloud Computing**

**September 2022 Examination**

**Q1. A CAD/CAM designing company is present at Mumbai location and they want to start their new office at Chennai location. The development activities will be conducted from both the locations. So, both the locations need to have access to servers and databases. The complete tool setup and configurations need to be implemented at Chennai location. Instead of repeating the infrastructure and software services at Chennai location, the company is thinking about implementing cloud for common resources. Provide a report about which cloud service models (IaaS, PaaS, SaaS) can be helpful for this company (10 Marks)**

**Ans 1.**

**Introduction**

Implementing cloud computing for common resources for the designing companies will enable run a business since it offers many advantages and only a few disadvantages.Cloud computing is a term used to describe the use of hardware and software delivered via a network that is usually the Internet. The term comes from the use of a cloud-shaped symbol that represents an abstraction of rather a complex infrastructure that enables the work of software, hardware, computation, and remote services. Cloud computing is computing based

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**Q2. A payment gateway company has decided to implement cloud solution for its dashboard service for the end users. All the activities and the transaction details need to get reflected on the dashboard in the real time. So, the company is concerned about the performance of the dashboard over the cloud. Provide a report to this company about performance and other technical challenges of using the cloud. (10 Marks)**

**Ans 2.**

**Introduction**

A cloud dashboard is a dashboard that you can build and access on a web browser. It has key advantages over on-premise software such as being easier to deploy, requiring little to no IT support, and being accessible on multiple devices. Cloud dashboard highlights the benefit of ability to integrate multiple data sources into a single dashboard. Predefined dashboards, which display metrics and general information about a single service, include dashboards that Cloud Monitoring automatically installs when you add services to a Google Cloud project. The Cloud Resources dashboard shows the aggregated view of all your cloud resources, their

**Q3. A data analytics company is planning for to design and deploy a new solution, “ConektUs”, for customer communication and for handling changes and feedback from the customer. The company don’t have expertise to develop or to maintain this solution. So the company has two options for implementing this solution. Cloud-based solution or outsourcing the development and maintenance to some IT partner. Describe following issues related to both the possibilities, Cloud-based and Outsourcing.**

**a. Vendor lock-in? (5 Marks)**

**b. Utility based billing. (5 Marks)**

**Ans 3.**

**Introduction**

Vendor lock-in is when someone is essentially forced to continue using a product or service regardless of quality because switching away from that product or service is not practical. It is a situation where the cost of switching to a different vendor is so high that the customer is essentially stuck with the original vendor. Because of financial pressures, an insufficient workforce, or the need to avoid interruptions to business operations, the customer is "locked in" to what may be an inferior product or service.In cloud computing, some amount of software or computing