**Information Systems for Managers**

**September 2023 Examination**

**1. ABS Bank has provision of accommodating only 100 bank accounts of Customers. The entire bank operations are being managed by the bank using the cloud services provided by the vendor.**

**The number of account holders who wish to open their account in ABS bank suddenly increased to 150. As the bank can only accommodate 100 bank accounts, therefore, the problem of managing extra 50 account lies.**

**Suggest how the sudden increase of 50 bank accounts will be managed by the ABS bank. Which cloud deployment models were used by the ABS bank prior to increase in bank accounts and after the bank accounts were suddenly increased.**

**Discuss the features of each cloud deployment models in detail and also how ABS bank will manage these deployment models**. **(10 Marks)**

**Ans:**

**Introduction**

The ABS bank is facing a challenge as the variety of account holders who wish to open their accounts has suddenly increased to 150, exceeding the bank's capacity to accommodate only 100 bank accounts. In order to conquer this problem, the bank needs to explore different strategies and leverage cloud deployment models to effectively manage the sudden increase in reports. Cloud services have become crucial to modern business operations, imparting flexibility, scalability, and cost performance. In this situation, ABS Bank has been using cloud services provided by a vendor to manage its entire banking operations.

**Concept & application**

Cloud computing offers various deployment models organizations can use to meet their specific

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**2. Edutech is a leading educational institution providing various degree programs to the learners at graduation and post graduation levels.**

**The course coordinator manages the daily enquiries for programs in which students are interested to take admission in. If some fee concession is required by group of students then the manager of the admission department has privilege to provide that. Also, on the basis of the enquiries received for new programs, the top management takes decisions on launching of new programs.**

**Considering the above scenario, specify the Transaction processing system, Management Information System and Executive support systems for Edutech institution. Also, specify the features of each of these information systems.** **(10 Marks)**

**Ans:**

**Introduction:**

Edutech is a leading educational institution that offers a wide range of degree programs to students at the graduation and post-graduation levels. The organization strives to provide quality education and ensure a clean and efficient operation of its various strategies. To gain this, Edutech relies on one-of-a-kind types of records systems to assist its daily operations, decision-making processes, and strategic planning. Three critical information systems used by Edutech are Transaction Processing systems (TPS), management information systems (MIS), and executive support structures (ESS). Each of these systems serves specific purposes and gives unique

**3. In a State University, the processes of various departments like admission, enrollment, academics, examination etc needs to be integrated together to establish relevant coordination between the various departments of the university. Considering the above scenario, answer the following:**

**a. Specify the system which the university will use so that the processes of all the departments can be streamlined. Also, mention its benefits and features. (5 Marks)**

**Ans:**

**Introduction:**

To streamline the processes of various departments in a state university, the university can implement an enterprise resource planning (ERP) system. An ERP system is a software solution that integrates different departments and functions of an organization into a single, unified machine. It provides a centralized database and a common platform for various departments to

**b. Discuss the challenges in implementing that system. (5 Marks)**

**Ans:**

**Introduction**

Integrating processes across various departments in a state university is crucial for establishing coordination and enhancing efficiency. The integration aims to streamline admission, enrollment, academics, and examinations, creating a cohesive and interconnected system that supports the university's normal functioning. But implementing such a system has its challenges. This essay