**Information Systems for Managers**

**December 2023 Examination**

**Q.1) Ghanshyam Das and Sons Jewellers has now its several branches across different cities in India. The Jewellers started from very small shop in Delhi and expanded their business in several years across India. Initially when they started, they have appointed different personnels to keep a track of jewelries sold, orders given and inventory required. With the expansion of business in different cities, Ghanshyam Das and Sons Jewellers are now finding it difficult to manage/ track the details at global level and to get an overview of Jewellery details across all stores of various cities. They contacted a solution providing firm to get solution of the same and were told to shift their business to Cloud wherein, all the operations of different stores can be monitored/detailed out very easily.**

**Discuss how migrating to Cloud will help Ghanshyam Das and Sons Jewellers to smoothen up the process of monitoring/tracking details from one location for other stores across various cities. Also, discuss which types of cloud and cloud service will be suitable or their organization. (10 marks)**

**Ans 1.**

**Introduction**

In today's competitive business landscape, scalability and efficiency are pivotal for the growth and expansion of enterprises. Ghanshyam Das and Sons Jewellers, a prominent jewelry chain, started as a small shop in Delhi and, over the years, burgeoned into multiple branches across India. Their journey is emblematic of the quintessential Indian dream of transforming a modest endeavor into a pan-Indian enterprise. However, with expansion comes the intrinsic challenge of maintaining consistency, overseeing operations, and ensuring seamless communication among branches. With every branch potentially employing its own local system to track inventory, sales, and orders, the overarching view becomes muddled, leading to inefficiencies. The solution, as It is only half solved

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**Q.2) E-Commerce has gained boom more after the digital payment initiative was emphasized for usage in recent years. Most of the retailers are using these platforms to sell their products. Discuss how the retailers are getting benefitted by choosing these e- commerce platforms. Which type of sellers are being benefitted most by choosing the e- commerce platform (Explain with help of some Statistics by taking references from some E-commerce websites). Discuss your views for all the above points by choosing any one E-Commerce platform as an example. (10 marks)**

**Ans 2.**

**Introduction**

E-commerce, or the act of buying and selling goods and services online, has become an integral part of the global retail infrastructure. With the inception and proliferation of digital payment systems, e-commerce has experienced a significant surge in its adoption. These digital payment initiatives not only offer a safer, more efficient way of transacting but have also revolutionized the very nature of retail by reducing barriers to entry. While traditional retail required significant capital for physical storefronts, e-commerce platforms have democratized this space, allowing even small retailers to reach global audiences. The question isn't just about how e-commerce benefits retailers, but which retailers stand to gain the most from this paradigm shift. As we delve deeper into the e-commerce landscape, taking a specific platform as a reference,

**Q.3) Horizon Technology is new IT Company with the motive of providing solutions to different Organisations by catering to their specific product requirements. This Company has received the Project Development Task which is not much Complex in nature and the requirements are also to some extent clear. As a new venture, this organization is not fully aware of the different vulnerabilities and threats to its data. Considering the above scenarios, discuss the following:**

**a) What can be the various threats and vulnerabilities to the organization? What are the security measures that need to be adopted by Horizon Technology for avoiding the same? (5 marks)**

**Ans 3a.**

**Introduction**

In today's interconnected digital landscape, IT companies, irrespective of their size or tenure, face an array of security threats and vulnerabilities. For a nascent organization like Horizon Technology, navigating this complex terrain becomes especially challenging due to limited exposure and perhaps a lack of dedicated resources. With a clear project on their horizon and a commitment to their clients, understanding and mitigating these threats becomes paramount to ensure not only their own integrity but also

**b) Discuss which Software Development Life Cycle model needs to be implemented and why by Horizon Technology for development of the Project stated in the Scenario. (5 marks)**

**Ans 3b.**

**Introduction**

The Software Development Life Cycle (SDLC) is a framework that describes the stages involved in the development of software from its initial feasibility study to its maintenance post-deployment. Choosing the appropriate SDLC model is crucial for any IT company as it sets the tone for how the project will progress. For Horizon Technology, considering they have a project that's not overly complex and with fairly clear requirements, the selection becomes pivotal to ensure timely delivery and cost-