**Lean Six Sigma**

**December 2022 Examination**

**1. Six Sigma encompasses statistical tools and methodology to perform predictive analysis. Applying the DAMIC process teams must provide statistical analysis of Covid-19 pandemic from any 1 industry concern of your choice. Depending on the selected approach to address the concern different tools will be employed throughout DMAIC process to narrow Key Process Input Variables (KPIVs) that are driving unacceptable output(s). The analysis of the concern utilizing DMAIC process must include only tools necessary to resolve the concern. The focus should concentrate on a clear and minimalistic path to resolving the concern. You are free to follow any research; data collection and or analysis methodology that you consider the most appropriate to address the required task. (10 Marks)**

**Ans 1.**

**Introduction**

The Corona virus pandemic has brought about cultural interruption and a death toll worldwide. One of the most troublesome emergency problems is the vulnerability inborn to the infection and its administration. The DMAIC model is used for 6 Sigma applications to service the nature of outcomes produced by an organization's cycles. Characterizing, Estimating, Analyzing, Improving, and Controlling are the four letters of DMAIC. It has been the supreme objective of organizations to work on their benefits and bargain numbers that, in a way, address product and administration quality. With breakthroughs constantly progressing into the business scene, the

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**2. Suppose you are working as a facilities manager in a big multi-specialty hospital which intends to adopt the lean technique for efficient management, identify any process/activity that needs improvement and create a board outline in brief using DMAIC methodology (10 Marks)**

**Ans 2.**

**Introduction**

The medical care market goes on underlining high quality and effectiveness upgrades. This study centers on implementing Six Sigma and Lean 6 Sigma (LSS) standards. All at once, these cycle improvement techniques decrease functioning stocks and expenditures, which exchange substantial reserve funds for facilities, consequently making an equally beneficial setup. By all accounts, the restrictions on implementation appear to connect with the association's political progressive system and foundation of the emergency clinics. The assessment of these situations

**3a. Implementing Lean Six Sigma projects in various organizations have led to the reduction of different types of wastes (8 Mudas), provide example (any 1) of each type of waste reduced due to implementation of lean six sigma in that organization. (5 Marks)**

**Ans 3a.**

**Introduction**

With each organization having its novel cycles, functioning, nature, and type, implementing Lean Six Sigma similarly moves to make progress. Many associations have applied this interaction, yet not everyone has made progress. Below are a few things you should consider to

**3b. Enlist at least 5 Indian companies which have implemented Six Sigma in a successful manner. Also specify at least 2 substantial benefits achieved from implementation by each of the 5 Indian companies. (5 Marks)**

**Ans 3b.**

**Introduction**

Six Sigma is a bunch of the board procedures completed to more creative business processes by diminishing the likelihood that a mistake and abandonment will happen. Six Sigma is a focused and preferred method that utilizes a measurable-based information-driven technique and a regular renovation viewpoint for erasing surrenders