

**Lean Six Sigma Practice Test 8
(Answers)**

- 1) A Six Sigma team is tasked to identify a faulty step in an application intake and eligibility determination process. The most appropriate tool the team should use to better understand the process is:
 - a) Kano model
 - b) Stem and leaf diagram
 - c) SWOT analysis
 - d) Flow chart

- 2) Every Green Belt knows that the following symbol is used to describe a sample mean:
 - a) n
 - b) x
 - c) μ
 - d) \bar{x}

- 3) A large beer brewery commissioned a Lean Six Sigma training provider "DMAIC LTD" to provide free Six Sigma training for its quality management division employees. The whole training project is planned to proceed in 7 phases over the course of 6 months. Which is the most appropriate tool to track the progress of the six sigma training project?
 - a) QFD matrix
 - b) Control chart
 - c) Gantt chart
 - d) Ishikawa diagram

- 4) According to the central limit theorem regardless of the shape of the population, the sampling distribution of the mean is approximately normal if:
 - a) The sample size is sufficiently large
 - b) The sample size is sufficiently normal
 - c) The sample is skewed right
 - d) The sample is skewed left

- 5) A Black Belt is tasked to calculate a mode from the following computer processors' width distribution. What is the mode?

0.258, 0.268, 0.258, 0.256, 0.251, 0.251, 0.259, 0.257, 0.258, 0.252, 0.258, 0.253
 - a) 0.256
 - b) 3.079
 - c) 0.258
 - d) 0.2575