

# EXAMINATION QUESTIONS - SIX SIGMA

HELPFUL LINK: [https://technologystudent.com/prddes\\_2/sixsigma1.html](https://technologystudent.com/prddes_2/sixsigma1.html)

1. Briefly, what is Six Sigma? **3 marks**

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2. Name three companies that have successfully implemented Six Sigma. **3 marks**

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3. Name the five analytical phases of Six Sigma. **5 marks**

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4. Complete the table below, by filling in the missing data. **4 marks**

SIGMA LEVEL	% OF DEFECTS / MILLION	No OF DEFECTS / MILLION
1		691,462
2	31%	
3	7%	66,807
4	0.6%	6,210
5	0.0233%	
6		3.4

5. Describe each of the five phases of Six Sigma. **10 marks**

CUSTOMER / CLIENT INFLUENCE (Define)

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PRODUCTION / PRODUCT MANUFACTURE (Measure)

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PRODUCT AND MANUFACTURING ANALYSIS (Analyse)

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PRODUCT AND WORKFORCE IMPROVEMENT (Improve)

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IMPLEMENT CONTROL SYSTEMS (Control)

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