



PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations – November 2025

Date: 14-11-2025

Time: 02:30Pm – 04:00Pm

School: SOM-PG	Program: Master Of Business Administration (MBA-PG)	
Course Code: MBA4026	Course Name: Lean Six Sigma	
Semester: III	Max Marks: 50	Weightage: 25%

CO - Levels	C01	C02	C03	C04	C05
Marks	40	10	-	-	-

Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Do not write anything on the question paper other than roll number.

Part- A

Answer ALL the Questions. Each question carries 3marks.

5Q x 3M=15 Marks

1	Define the main stages of DMADV Model.	3 Marks	L1	C01
2	Explain the 5S Methodology, with suitable examples.	3 Marks	L1	C01
3	With the help of a diagram, explain how do you convert VOC to CTQ.	3 Marks	L1	C01
4	Explain the concept of "Process Capability" in Six Sigma projects.	3 Marks	L1	C01
5	Recall the tools used in the "Define" phase of DMAIC.	3 Marks	L1	C01

Part- B

Answer the Questions

2Qx10M = 20 Marks

6.	Value Stream Mapping (VSM) is an important Lean tool. Explain in detail, the VSM with a suitable example.	10 Marks	L2	C01
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Or

7.	With the help of a suitable example, show why even 99.9% is not good enough.	10 Marks	L2	C01
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8.	Explain the following key terms in Lean Six Sigma: (a) DPMO (b) DOWNTIME (c) VOC (d) CTQ	10 Marks	L2	C02
Or				
9.	Summarize in detail, the six (6) tools and techniques in the "Measure" phase.	10 Marks	L2	C02

Part- C

Answer the following questions

1Qx15M=15Marks

10.	With the help of a suitable example, explain in detail, all the steps involved in the "Define" phase of a DMAIC project. Identify a six sigma company and explain.	15 Marks	L3	C01
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