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Course B.Voc Program Agriculture
Subject Lean Manufacturing, Code AGR-607
Semester III

Time: 03 Hours**Max Marks: 70****Instructions to the Students:**

1. This Question paper consists of two Sections. All sections are compulsory.
2. Section A comprises 10 questions of short answer type. All questions are compulsory. Each question carries 2 marks.
3. Section B comprises 8 long answer type questions out of which students must attempt any 5. Each question carries 10 marks.
4. Do not write anything on the question paper.

Q.No.	SECTION –A (SHORT ANSWER TYPE QUESTIONS)	Marks
1.	a) What is lean production?	(2)
	b) What is the typical first step towards identifying the areas of waste elimination in a project?	(2)
	c) What does the culture of lean focus on?	(2)
	d) The correct conversion of muda, mura and muri in English is _____	(2)
	e) What is the typical first step towards identifying the areas of waste elimination?	(2)
	f) How is value defined?	(2)
	g) What is referred as waste in Japan?	(2)
	h) Values is always defined from the perspective of the _____	(2)
	i) How to determine root cause analysis?	(2)
	j) What is the difference between problem solving and problem fixing?	(2)
SECTION –B (LONG ANSWER TYPE QUESTIONS)		
2.	How can you implement lean manufacturing? How does it affect the supply chain?	(10)
3.	How does lean manufacturing eliminate waste? How is OEE calculated?	(10)

- 4. What are the lean manufacturing tools? How is Lean manufacturing different from six Sigma? (10)
- 5. How can lean manufacturing help companies? How are fishbone diagrams created? (10)
- 6. What is the impact of implementing a lean system in the relationship between the manager and an employee? (10)
- 7. What are the top lean culture implementation challenges to be addressed by leanlsss enterprises? (10)
- 8. What are the four steps of lean implementation? Explain in detail. (10)
- 9. Identify how 3 M's can be used in some aspects of personal activities? (10)

===END OF PAPER===