

2112A007

BACHELOR OF VOCATION
Agriculture
Subject: Lean Manufacturing
Subject Code: AGR607
Semester: Third
December 2021
Theory (External): 70 Marks
Time: 03 Hours

Instructions to the Students

1. This Question paper consists of two Sections. All sections are compulsory.
2. Section A comprises 10 questions of objective type in nature. All questions are compulsory. Each question carries 2 marks.
3. Section B comprises 8 essay type questions out of which students need to do any 5. Each question carries 10 marks.
4. Read the questions carefully and write the answers in the answer sheets provided.
5. Do not write anything on the question paper.
6. Wherever necessary, the diagram drawn should be neat and properly labelled

Roll Number									

SECTION -A (OBJECTIVE TYPE QUESTIONS)
(10x2=20 Marks)

- A. What is Lean Manufacturing?
- B. What is OEE? Explain.
- C. What are small lot sizes?
- D. Explain importance of lean manufacturing in improving productivity?
- E. What is Lean Management?
- F. What are the best lean resources?
- G. How does lean apply to non-manufacturing settings?
- H. What are the most common mistakes in implementing lean?
- I. What is Muda?
- J. Explain what is TQM?

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SECTION -B (ESSAY TYPE QUESTIONS)
(5x10=50 Marks)

1. Explain in detail the elements of Lean Manufacturing? What is seven waste and their narration?
2. Highlight the need of LM? What is Value Flow? What are Muri and Mura?
3. Enumerate the fundamental blocks of lean. Explain the various tools of LM.
4. What is 5S? Explain the concept of 5S? What are the resources that can support 5S implementation?
5. What is Kanban and how does it work? Give an example of Kanban.
6. What is A3 problem solving method? Who invented this method?
7. What is process mapping? Give a detailed explanation of current and future value stream mapping?
8. Why is Lean Manufacturing important? Exactly what kind of inefficiencies can lean manufacturing eliminate? Explain continuous improvement in terms of LM?

==END OF PAPER==