

**W1-2-60-1-6**

## JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

**UNIVERSITY EXAMINATIONS 2018/2019**

**YEAR 1 SEMESTER 2 EXAMINATIONS FOR THE DEGREE OF BACHELOR OF SUPPLY CHAIN MANAGEMENT**

**HSM 2102: PRODUCTION AND SUPPLY CHAIN MANAGEMENT**

**DATE: AUGUST 2019 TIME: 2 HOURS**

**INSTRUCTIONS: ANSWER QUESTION ONE AND ANY OTHER TWO QUESTIONS**

QUESTION ONE

1. Discuss the role of production function the elements involved in the function (10 marks)
2. Discuss the benefits of just in time (JIT) to organization (10 marks)
3. Explain the following terminologies
4. Agile manufacturing (2 marks)
5. Operation scheduling (2 marks)
6. Production control (2 marks)
7. Just in Time (2 marks)

QUESTION TWO

1. Discuss the Project Management life cycle in manufacturing organization (10 marks)
2. Discuss factors to consider in preparing production schedules (10 marks)

QUESTION THREE

Discuss the concept of Agile manufacturing system highlighting the requirement for its successful implementation (20 marks)

QUESTION FOUR

1. Explain the application of material requirement planning (MRPI) in production management (10 marks)
2. Explain the benefits of Enterprise Resource Management (ERP) in a production organization.