



MACHAKOS UNIVERSITY COLLEGE

**(A Constituent College of Kenyatta University)
University Examinations for 2015/2016 Academic Year**

SCHOOL OF BUSINESS AND ECONOMICS

DEPARTMENT OF BUSINESS ENTREPRENEURSHIP AND MANAGEMENT SCIENCES

**FIRST SEMESTER EXAMINATION FOR DEGREE IN BACHELOR OF COMMERCE
(PROCUREMENT AND SUPPLY CHAIN MANAGEMENT)**

BMS 317: PRINCIPLES OF SUPPLY CHAIN MANAGEMENT

DATE: 2/8/2016

TIME: 8:30 – 10:30 AM

INSTRUCTIONS.

Answer Question One And Any Other Two Questions.

1.
 - a) State five supply chain processes that a supply chain officer should be conversant with. (5 marks)
 - b) The use of information communication technology in supply chain has become increasingly important. Highlight five drivers of supply chain information excellence. (5 marks)
 - c) Explain the measures that can be undertaken by a supply chain officer to ensure security of inventory in an organization. (8 marks)
 - d) Distinguish between supply chain enablers and supply chain participants. (4 marks)
 - e) Highlight the causes of a bull whip effect in supply chain management. (5 marks)
 - f) Highlight the reasons that necessitate the application of metrics in supply chain management. (8 marks)

2. a) The SCOR model contains hundreds of performance metrics that are divided under five core supply chain performance attributes. Explain these attributes. (10 marks)
- b) A supply chain is a network that is used by an organizations through upstream and downstream linkages in the different processes and activities that produce value. What are the key characteristics of a supply chain. (10 marks)
3. a) Bullwhip effect increases the costs for a supply chain. Justify this statement. (10 marks)
- b) Explain the ways in which a supply chain can increase its competitiveness within an organization. (10 marks)
4. a) Supply chain coordination is a pre-requisite to dealing with a bull whip effect in supply chains. Discuss. (10 marks)
- b) In the SCOR model supply chain metrics are linked to five management processes. Explain. (10 marks)
5. a) Supply chain metrics can be customer, internal business, financial, or innovation and learning focused. Explain five supply chain metrics that are customer focused. (10 marks)
- b) Explain the strategies a supply chain manager can use to deal with supply chain vulnerability in an organization. (10 marks)