

BINDURA UNIVERSITY OF SCIENCE EDUCATION
FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE

MFS 507

Department of Agricultural Economics, Education and Extension
MSc in Food Security and Sustainable Agriculture Part I Examination
Food Security and Vulnerability Assessment

3 HOURS (100 Marks)

NOV 2024

INSTRUCTIONS TO CANDIDATE

Answer question **ONE** from **SECTION A** and any **TWO** questions from **SECTION B**.

SECTION A (COMPULSORY)

1. The United Nations Food and Agriculture Organisation (FAO) requested you to carry out a food security assessment in Chimanimani District of Zimbabwe.
 - i) List any 5 items you include in the annexes section of your food security assessment report. **[5 marks]**
 - ii) Briefly discuss the sections you would include in your assessment report **[15 marks]**
 - iii) Discuss the different steps you would follow to accomplish this task. **[30 marks]**

SECTION B

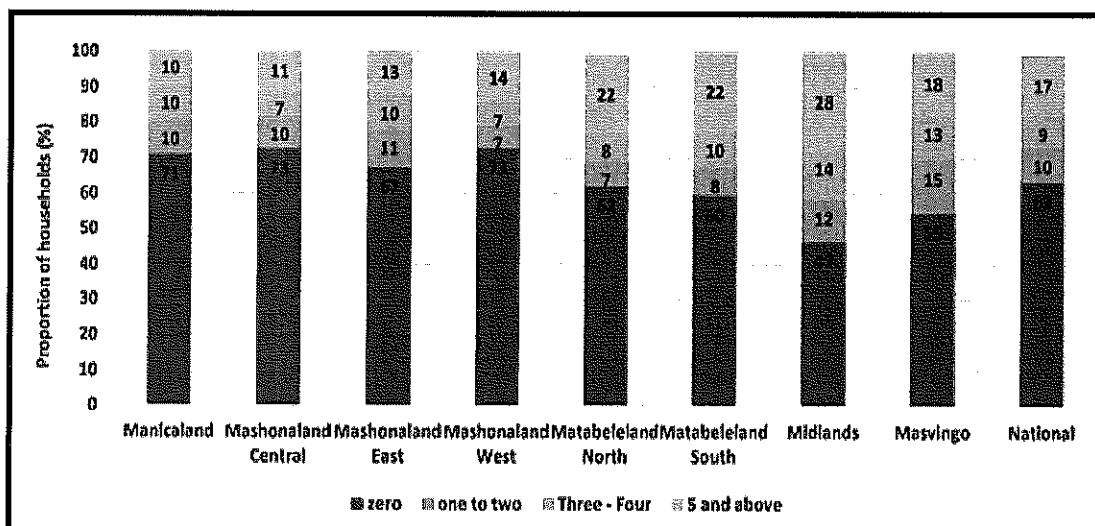


Figure 1: Cattle ownership estimates as of 1 April 2022

2. Figure 1 on page 1 show statistics of household cattle ownership in Zimbabwe as of 1 April 2022.
- a) Based on the Figure 1 above explain the highlights of cattle ownership in Zimbabwe as of 1 April 2022 season. **[10 marks]**
 - b) Based on the livestock assessment results, discuss major recommendations to be considered by policy makers for enhancing cattle production in Zimbabwe. **[15 marks]**
3. Describe in detail any 3 non-anthropometric measurements of food security status of households or individuals. **[25 marks]**
4. Discuss in details the following measures of nutritional status of infants:
- a) Mid -Upper Arm Circumference **[7 marks]**
 - b) Weight-for-age **[6 marks]**
 - c) Height-for-age **[6 marks]**
 - d) Weight-for-height **[6 marks]**

END OF PAPER