BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACULTY OF AGRICULTURE AND ENVIRONMENTAL SCIENCE DEPARTMENT OF AGRICULTURE ECONOMICS AND EXTENSION MSc FOOD SECURITY AND SUSTAINABLE AGRICULTURE

MFS 510: FOOD SECURITY AND CLIMATE CHANGE

DURATION: 3 HOURS

TOTAL MARKS: 100

INSTRUCTIONS TO CANDIDATES



ANSWER QUESTION ONE IN SECTION A and ANY OTHER TWO QUESTIONS FROM SECTION B.

SECTION A (COMPULSORY)

1. (a) Climate change affects food security in both developed and developing nations. Discuss the effects of climate change on the four dimensions of food security.

[25 Marks]

(b) Explain technological interventions that can be used by smallholder farmers to adapt and mitigate climate change.

[25 Marks]

SECTION B

2. Discuss how ecosystem based adaptation can support food security.

[25 Marks]

3. Climate change can seriously affect the pricing of food. Discuss.

[25 Marks]

4. Outline how existing policies and their implementation affect food and nutritional security under a changing climate.

[25 Marks]

END OF PAPER