



ROBERT MUGABE SCHOOL OF EDUCATION AND CULTURE

DEPARTMENT OF TECHNICAL EDUCATION

BACHELOR OF EDUCATION SECONDARY IN-SERVICE HONOURS DEGREE

LEVEL 2 SEMESTER 1

BACHELOR OF EDUCATION PRIMARY IN-SERVICE HONOURS DEGREE

LEVEL 2 SEMESTER 1

EXAMINATION QUESTION PAPER

MODULE CODE	TSAG/TPAG 213
MODULE NARRATION	CROP PROTECTION
DATE	2024
DURATION	3 HOURS

INSTRUCTIONS TO CANDIDATES:

- 1. Answer any THREE questions**
- 2 All questions carry equal marks**

1. a) Explain five (5) characteristics of insects which make them successful group of crop pests. [5]
 - b) i) Differentiate between complete and incomplete metamorphosis insect stage development [9]
 - ii) Describe any five (5) categories of Agricultural pests [5]
 - iii) Discuss the structure and function of insect body regions [6]
- 2 a) Discuss plant damage by insects under the following:
- i) direct effects [6]
 - ii) indirect effects [4]
- b) Outline pest resistance under the following :
- i) mechanisms of resistance [10]
 - ii) management [5]
3. Discuss ways in which plant weeds may be controlled using chemical methods. [25]
4. a) i) State any two (2) ways of classification of plant parasitic nematodes [2]
- ii) Describe how the 'Baermann funnel method' is used in sampling and identification of nematodes. [13]
- b) Explain how host plant resistance may control nematode insect pests [10]
5. Outline the safety precautions in use and storage of plant pesticides [25]

END OF PAPER