

# STANDARD HIGH SCHOOL – ZZANA

END OF TERM ONE EXAMINATION, 2020

## S.2 PRINCIPLES AND PRACTICES OF AGRICULTURE THEORY (PAPER 1)

1 ½ HOURS

NAME..... STREM.....

### INSTRUCTIONS

- Answer **all** questions in Part **A** and any **one** (1) question from Part **B**.
- Forward scanned answer sheets to stahiza2020@gmail.com.

### PART A (40marks)

Answer all questions in this part. For question 1-5, write the letter corresponding to the best answer in the box provided. For question 6 – 9; write answers in the spaces provided.

1	2	3	4	5

1. Which one of the following would not be a suitable method for controlling soil erosion on a steep slope?
  - A. Crop rotation
  - B. Afforestation
  - C. Strip cropping
  - D. Terracing
2. Which of the following is not a phosphatic fertilizer?
  - A. Single super phosphate
  - B. Ammonium sulphate
  - C. Double super phosphate
  - D. Triple super phosphate
3. A hard pan in the soil profile refers to;
  - A. A layer of rock below the soil surface.
  - B. An impermeable layer above the soil surface.
  - C. An impermeable layer below the soil surface.
  - D. An impermeable layer at the soil surface.
4. Which one of the following is not a result of leg farming?
  - A. Land is left idle.
  - B. Soil structure is improved.

- C. Soil fertility is improved.
- D. Soil erosion is accelerated

5. The following includes essential plant nutrients except;

- A. Iron
- B. Nitrogen
- C. Potassium
- D. Phosphate

(10marks)

6. Give six (6) effects of soil erosion.

(12marks)

- (i) .....
- .....
- (ii) .....
- .....
- (iii) .....
- .....
- (iv) .....
- .....
- (v) .....
- .....
- (vi) .....
- .....

7. (a) Differentiate between soil structure and soil texture.

(04marks)

- .....
- .....
- .....

(b) State any four (4) forms of soil structure.

(04marks)

- (i) .....
- (ii).....
- (iii) .....
- (iv) .....

(c) State three (3) importances of soil structure.

(06marks)

- (i) .....
- .....
- (ii).....
- .....
- (iii) .....
- .....

8. (a) What is soil sampling?

(02marks)

- .....
- .....

(b) State any five (5) objectives of soil sampling and testing. (10marks)

- (i) .....
- (ii).....
- (iii) .....
- (iv) .....
- (v).....

9. (a) What is crop rotation? (02marks)

.....

(b) State five (5) factors considered when designing a crop rotation programme. (10marks)

- (i) .....
- (ii).....
- (iii) .....
- (iv) .....
- (v).....

### **PART B (20marks)**

**Answer any one (1) question.**

10.(a) What are macro-nutrients? (02marks)

(b) Give any six examples of macro – nutrients. (06marks)

(c) State six (6) importance of Nitrogen in plants. (12marks)

11.(a) Define soil erosion. (02marks)

(b) State four (4) agents of soil erosion. (04marks)

(c) Explain factors that influence the rate of soil erosion. (14marks)

**END**

