***THE CENTRAL PUBLISHERS***

***AGRICULTURE EXAM***

***TIME: 2 HOURS***

*NAME…………………………………………………………. STREAM…………………………..*

*441/1*

*AGRICULTURE*

*FORM 3 PAPAPR 1*

*SERIES II TERM 2 2018*

*TOTAL 90 MARKS*

***INSTRUCTIONS***

* *Answer all questions in section A and B and only two questions in section C*

***SECTION A : 30 MARKS***

***ANSWER ALL QUESTIONS***

1. Differentiate between the following terms (2mks)

a). Floriculture and Olericulture

b). apiculture and aquaculture

 2. Give the meaning of the following terms as used in agriculture (2mks)

 a) plantation

 b) Shifting cultivation

 3. Give two ways on how the following influence agriculture production (3mks)

 a). government policy

 b) Parasites

 c) Predators

 4. a). State three methods used during land clearing (1.5 marks)

 b). state four factors considered when selecting implements for secondary cultivation (2mks)

 5. Give four reasons why secondary cultivation is important (2mks)

 6. State four reasons for using certified seeds in crop production (2mks)

 7. Give three factors considered when determining seed rate (1.5 mks)

 8. State four benefits of having a nursery bed in crop production (2mks)

 9. State four factors that determine stage t which crop is harvested (2mks)

 10. State four ecological requirement of growing tomatoes (2mks)

 11. State the first four stages involved in chemical water treatment process in their correct order (2mks)

12. Give a reason for carrying out the following during propagation of compost manure (3mks)

 a). adding a well rotten manure

 b) . Adding top soil

 c). Adding ash

 13. State the three primary macro nutrients (1.5 mks)

14. State four functions of nitrogen in plants (2mks)

***SECTION B (2OMKS)***

***Answer all questions in this section***

15. a) Calculate plant population given that maize is planted at a spacing of 30 cm by 6cm in a plot of land measuring 40m by 90m (3mks)

 b). Identify the type of vegetation below (1mk)

 c). Give four advantages of using vegetative planting material (4mks)

16. a) Identify the type of sampling in the diagram below (1mk)

 b). Give four areas to avoid during soil sampling (4mks)

 c) State four disadvantages of inorganic fertilizers (4mks)

17. Give one reason to carrying out following in crop production (4mks)

 a) Staking

 b) Rogueing

 c)Thinning

 d) Processing

***SECTION C : 40 MARKS***

***Answer only two questions***

18. i).Describe production of cabbage under the subheading below

 a). Nursery establishment and management (5mks)

 b).field management practices (6mks)

 c). harvesting (3mks)

 ii). State six importance of crop rotation (6mks)

19. a) state seven reasons why a farmer need to keep farm records (7mks)

 b). explain how various stated climatic factors influence agriculture production (13mks)

20. a). state seven advantages of using organic manure during planting (7mks)

 b). state five characteristics of nitrogenous fertilizers (5mks)

 c)state eight reasons for practicing irrigation in crop production (8mks)