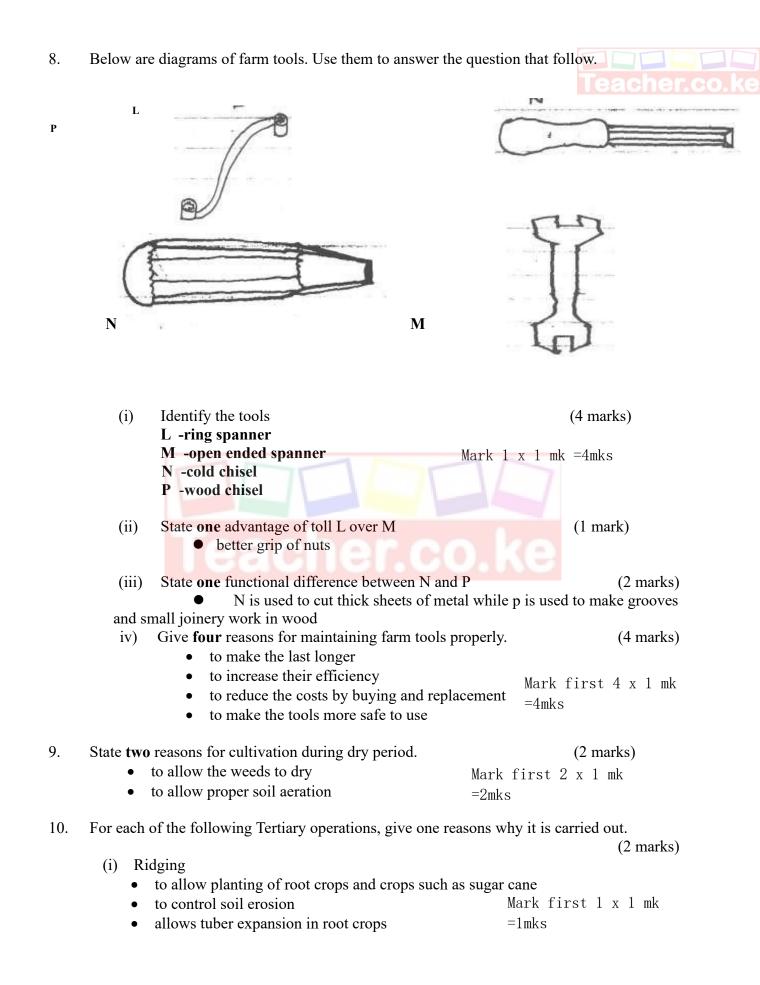


END TERM II AGRICULTURE FORM ONE (1) MARKING SCHEME



1.	Name two areas of scientific study which show that Agriculture is a science (2 ma		
	 Crop pathology entomology agricultural engineering soil science genetics 	Mark first 4 x ½ mk =2mks	
2.	Give two reasons why Agriculture is importansupply of raw materials to industries	t for the development of industries. (2 marks) Mark first 2 x ½ mk	
	• market for industrial goods such as for	ertilizer =1mk	
3.	 State four main branches of agriculture. crop production livestock production agricultural economics 	(4 marks) Mark first 4 x ½ mk =2mks	
4.	 agricultural economics soil science List two disadvantages of shifting cultivation 	(2 marks)	
т.	 low capital investment no disease and pest build up soil structure is maintained no land disputes since land is not own 	Mark first 2 x ½ mk =1mk	
5.	 Name three soil forming factors. ` physical weathering factors chemical weathering factors biological weathering factors 	(3 marks) Mark first 3 x 1 mk =3mks	
6.	 State four factors farmer face in agricultural provide the second seco	roduction. (4 marks) Mark first 4 x 1 mk =4mks	
7.	 Give three aspects of light that influence crop light intensity light wavelength light duration 	production. (3 marks) Mark first 3 x 1 mk =3mks	







	(ii) Rollingto prevent small seeds from being carried	away by wind and run-off
	• to increase soil seed contact	Mark first 1 x 1 mk. CO.k
	• compacts the soil to reduce erosion	=1mks
	(iii) Levelling	
	 promotes uniform germination of s 	mall seeded crops
	• reduce incidences of soil erosion by	-
		=1mks
11.	Give four factors that determine the numbers of tim	
	• size of planting materials	(4 marks)
	 slope of land 	Mark first 4 x 1 mk
	• moisture content of the soil	=4 mks
	• condition of land after primary cultivation	
12		(1
13.	(i) What is water conveyance?delivery of water from the source to the fa	(1 mark)
	(ii) Name two types of pipes used in the farm.	(2
	marks)	X
	• metal pipes	Mark first 2 x 1 mk
	plastic pipes	=2mks
	 PVC pipes rubber pipes 	
	(iii) State three uses of water on the farm	(3 marks)
	• watering livestock	
	• irrigation	Mark first 3 x 1 mk
	 cleaning dirty farm tools mixing chemicals 	=3mks
		ing with soil and concrete mixtures
	 cleaning livestock 	
14.	State two surface irrigation methods.	(2 marks)
	• flood irrigation	Mark first 2 x 1 mk
	 basin irrigation furrow irrigation	=2mks
	• Iunow Imgation	
15	List two feature of plastic pipes a farmer should co	nsider before buying the pipes.
		(2 marks)
	 cost flexibility	
	colour	Mark first 2 x 1 mk
	• size/diameter	=2mks
	• thickness	
	• durability	
16.	State five ways by which soil loses its fertility.	(5 marks)
	 leaching monocronning 	
	monocroppingsoil erosion	
		Mark first 5 x 1 mk

continuous cropping
 Mark first 5 x 1 mk

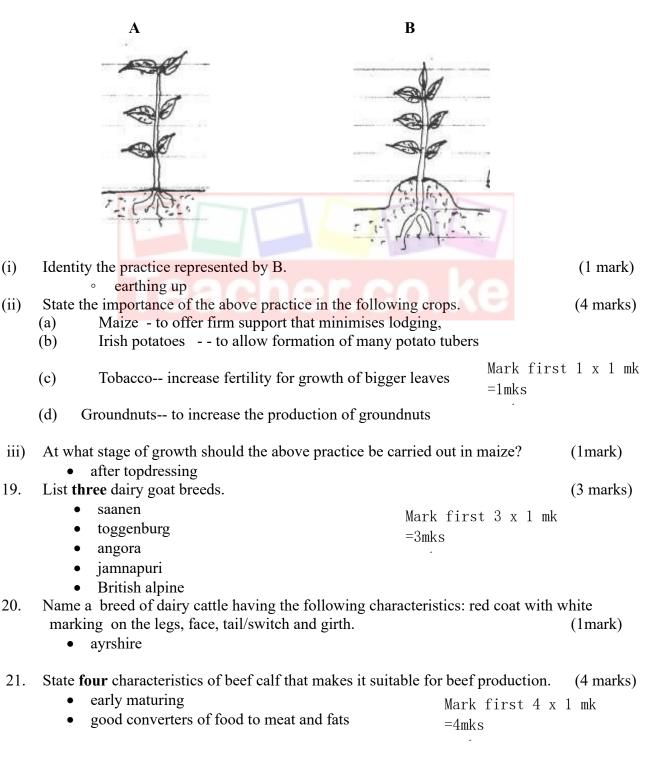
=5mks

- change in soil pH
- burning of vegetation cover
- accumulation of salts
- 17. Give **three** factors considered when siting compost manure on the farm.
 - should be in a well-drained place
 - direction of prevailing wing to avoid direct drift to the home
 - should be centrally placed in the farm
 - should be accessible

Mark first 3 x 1 mk =3mks

(3 marks)

18. The diagram below shows a practice carried out on various crops on the farm. Study them carefully and answer the questions that follow.





eacher

- tolerant to high temperature
- more resistant to diseases

23.

24.

26

22. Give two advantages of keeping a Jersey cow instead of a Friesian cow for milk production. (2marks)

milk has a high butter fat content • Mark first 2 x 1 mk has little pasture requirements/ use poor pastures • =2mks reaches service age earlier at 15-18 months State two adaptations of dromedary camel to its environment. (2marks) has hump for storage of fats that is used to make metabolic water hoof is leathery to prevent sinking in sand • Mark first 2 x 1 mk long legs which is used in temperature regulation =2mks short fur to regulate temperature Name four types of farm record. (4 marks) production record ٠ inventory record • Mark first 4 x 1 mk field operation record =4mks • breeding record feeding record • health record • marketing record labour record Give two advantages of organic farming in relation to environmental conservation. 25. (2 marks) improves soil structure • improves infiltration of water and air in soil • Mark first 2 x 1 mk provides food for soil microorganisms • =2mks provides various nutrients for crops environmentally friendly/ does not pollute the environment and farm produce • Describe the process involved in water treatment using chemical treatment system. (12)marks) filtration of water at the source using mesh filters of different sizes add sodium bicarbonate/ soda ash to soften the water • add alum/ aluminium sulphate to coagulate suspended solid particles • to allow the water to settle in a tank to lets coagulated particles to sink to the bottom of the tank and when left in the tank for 36 hours kills bilharzia worms filtration using different sizes of gravel and sand to remove all solid particles add chlorine to kill microorganisms in the water store in a tank before conveyance Correct order should be observed Mark each point x 2 mk

-2mlz c