Name:		Centre/Index No
School:		Signature
P515/1		
PRINCIPLES		
AND PRACTICES		
OF AGRICULTURE		
PAPER 1		
July/August 2017	MAKIS SHA	
2½ hours	(1) to	))

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## WAKISSHA JOINT MOCK EXAMINATIONS

Uganda Advanced Certificate of Education

## PRINCIPLES AND PRACTICES OF AGRICULTURE

#### PAPER 1

#### 2 hours 30 minutes

# INSTRUCTIONS TO CANDIDATES:

- This paper consist of sections A and B
- Answer all questions in both sections.
- All answers should be written on this question paper.

FOR EXAMINER'S USE ONLY  Morks Examiner's No./Initials				
Question	Marks	Examiner's No./Initials		
Section A				
31				
32				
33				
34				
35				
36				
37				
TOTAL				

**Turn Over** 

### SECTION A (30 MARKS)

Write the letter with the correct altern	native in the box provided on the $right$
following hormones would be used by ag vegetative propagation except.	farmers to induce rooting of cuttings

1.	The	following hormones would be used by farmers to induce rooting of cutting ing vegetative propagation except.
	A.	Indolebutyric acid.
	B.	Indoleacetic acid.
	<b>C</b> .	Absicic acid.
	D.	Napthaleneacetic acid.
<b>?</b> .		ch of the following types of soil water is left held so tight in loam soils during
	dry :	season?
	A.	Hydroscopic.
	B.	Gravitational.
	C.	Capillary.
	D.	Particle water.
		r fertilization, implantation takes place and secretion of paracrines allows the
	follo	wing to occur.
	A.	More oxygen and nutrients flow the placenta.
	B.	Prevents miscourage of embryo.
	C.	Swelling of the endometrium.
	n	Classes of the comity

D.	Closure of the cervix.	
Whi	ch of the following saccharides will combine to form milk sugar?	
A.	Sucrose and fructose.	
В.	Glucose and fructose.	
C.	Glucose and galactose.	
D.	Fructose and galactose.	
Lim	ing in clay soil is carried out to physically	
A.	encourage aggregation.	
В.	improve on soil nH	

improve on soil pH. attract micro organisms. C. D. discourage soil aggregation. Which of these is true of maximum price for a product?

It's between equilibrium price and minimum price. Its above equilibrium price. Its below minimum price. C. It's either above or below equilibrium price.

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7,:	It is advisable to discard unfertilized eggs during incubation because they  A. methane.  B. carbondioxide.  C. hydrogen sulphide.  D. carbon monoxide.
8.	In rabbits, the allele for rough coat (R) is dominant over the one for smooth coat for coat type and colour are not linked. A cross between rough white one produced 28 rough black, 31 rough white, 11 smooth black rabbit and A. RrBb x Rrbb  RrBb x Rrbb
9.	Which of the following hormones would help reduce water loss for plants under conditions of water stress?  A. Indoleacetic acid.  B. Ethylene.  C. Gibberellins.  Abscissic acid.
	sterile females developed from fertilized eggs. fertile males developed from unfertilized eggs. sterile males developed from unfertilized eggs. fertile females developed from unfertilized eggs.
	rocess of interpreting information on mRNA into formation of polypeptides as transcription.  Translation.  Transduction.  Transduction.
	would have cement: sand: gravel in the following ratios except.

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13.	Which of these examples of levers simplifies work by multiplying efforchanges the effort direction?	₹ and
		10 Using the
		A. prices of the out put.  B. value of marginal product.
	<b>B</b>	Prices of the out put.
	C. Bottle opener.	B. value of marginal product.  C. amount of world.
	D. Tweezers.	
		economic status of the farmer
14.	The part of the mould board plough that facilitates attachment to the tractor i	20. Determine the quantity of urea needed to supply 160kg N/ha if urea is 40% N.  B. 40kg/ha.
	A. hitch.	A. 4kg/ha. 4kg/ha.
	B. disc hangers.	- Vokg/IId.
	C. frog.	C. 64kg/ha.
	D. land side.	D. 400kg/ha.
15.	The following material may include health risks when used for so long in	taligat diseases are hard to control in crops be
	collecting water for home consumption.	rungi are not seen with the naked eve
	A. asbestos.	and produce many spores.
	B. iron.	C. can tolerate wide range of soil conditions. D. are resistant to drought.
	C. aluminium.	de resistant to drought.
	D. plastics and polythene.	22. Breeding for shortness in tobacco crops enables
	F	A. easy picking.
16.	During movement, the rolling of tilapia fish body along its longitudinal a	B. disease resistance.
	normally controlled by	c. reducing damage to wind.
	A. dorsal fins.	D. makes crop tolerant to drought.
	B. pelvic fins.	23. In the preparation of silence melasses is added in order to
	C. pectoral fins.	23. In the preparation of silage, molasses is added in order to  A. increase temperature.
	D. lateral line.	B. kill harmful organisms.
	D. lateral line.	C. act as a catalyst.
17.	Diameter all and the state of t	
17.	Plants showing yellowing of leaves mainly along the margins survive in	
	deficient of	In mushroom husbandry, carbofuran is added to the substrate to
	A. nitrogen.	A. increase nutrient uptake.
	B. magnesium.	B. control nematode attack.
	C. phosphorous.	C. increase compositing rate.
	D. zinc.	D. increase spawn growth rate.
		ty is Selection in poultry is aimed at
18.	A market situation were one seller and many buyer compete and commod	A. increasing stock number.
	taken by one who pays the highest price is	B. preventing inbreeding.
	A. haggling.	c. improving health status.
	B. cartel.	D. improving quality of poultry products.
	C. fixing by treaties.	Turn Ov
	D. auctioning.	© WAKISSHA Joint Mock Examinations 2017 5
		4
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26.	A. B. C. D.	remove moisture from the curd. separate cream from milk. break fat to form uniform mixture. remove milk particles.	a)	i)	SECTION B (70 MARKS)  Write your answers in the spaces provided  Explain the meaning of the term drought.	(02 marks)
27.	India A.	genous cattle breeds are adapted to tropical conditions as they posses strong legs.				
	B.	many sweat glands.				
	C.	deep body to store food.				
	D.	hump to store fat.				
28.	5.000	consumption of 500kg was reduced to 300kgs when the price rose from 0/= to 8.000/= per kg. Calculate the elasticity of demand for rice during that		ii)	What are the causes of draught in a particular area.	(04 marks)
	perio					
	A.	0.06.				
	В.	15.				
	<b>C</b> .	0.6.				
	D.	1.5.				
<b>29</b> .	Whic perso	th of the following terms refers to promotion of the rights of disadvantaged				
	A.	Gender equality.				# PRANCE AND THE PARK
	В.	Gender mainstreaming.				
	C.	Affirmative action.				
	D.	Gender equity.			h. Fare	s of drought for
30.	Whic	th of these soils are characterized by poor drainage and thick organic matter?	b)	Sugg	est strategies that can be adapted to mitigate the effect inable agricultural production.	(04marks)
	A.	Ferrasols.				
	B.	Vertisols.				***************************************
	C.	Histols.				200 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	D.	Nitosols.				
						24.1.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2
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	9	
(03 marks)	depth of 18cm given the (density of liquid is 1000kgm <sup>-3</sup> , and acceleration	

			æ
			What key issues should be considered when selecting an agriculture project in the school? (05marks)

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(02 marks)

	b)	As a student of agriculture, how can you benefit from particle agricultural project in your school?	(osmarks)				
					(c)	Apart from those factors shown, explain two other factors that limit photosynthesis. (04 marks)	
35.	The	igure below illustrates the limiting factors for photosynthesis.	_ A 25°c	36.	(a)	Briefly explain how co-operatives can influence the market price for agricultural commodities. (05marks)	
		Light intensity	— B 15° c	Ī			
	(a)	What limiting factors are illustrated in the figure above.	(02marks)	(b	  ) W	/hat principles enable co-operatives to operate successfully. (05marks)	
	(b)	Describe how the factors illustrated limit photosynthesis.	(04marks)				
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(a)	Explain the effects of moisture and temperature on grain storage. (03 marks)
(a)	
<b>(L)</b>	Outline the precautions a farmer can undertake to ensure proper grain
(b)	storage. (04 marks)
	• • • • • • • • • • • • • • • • • • • •
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(c)	Identity three major causes of pre-harvest losses in grain production.
	(03 marks)

37.

**END**