

WAKISSHA JOINT MOCK EXAMINATIONS 2015
UGANDA CERTIFICATE OF EDUCATION
MARKING GUIDE
527/2
AGRICULTURE
PAPER 2
JULY/AUGUST 2015



1.

- a) A and C 1/2 mark
 B and D 1/2 mark
- b) A/C – Used to determine horizontal/ vertical straightness of a building. (01 mark)
 B/C – Used to smoothen the floor walls of a building. (01 mark)
- c) A
 - Place the plumb on the wall.
 - Lower the bob by releasing the strings.
 - Bob rests on the wall if the wall is straight.
 -
 -
(03 marks)
- B
 - Pour a mixture of water/cement on the mortar/floor OR pour a mixture of water/ lime on the plaster on the wall.
 - Place the float on the floor/wall.
 - Smoothen the cement/lime by pressing the float hard. (03 marks)
- d) Washing with clean water. (01 mark)

2.

- a) - Tunnels in the tuber.
 - Tuber changes colour after cutting/ becomes greenish.
 - Powderly material/flour in the tunnels.
 - Larvae/ adult weevil in the tunnels.
 - Has a bad smell.
 Award any 3 points 3 X 1 = (03 marks)
- b) Sweet potato weevil (01 mark)
- c) Bores into the tuber and eat the content. (01 mark)
- d)
 - Burning crop remains after harvesting/field sanitation.
 - Crop rotation.
 - Timely harvesting.
 - Earthing up of potato tubers.
 - Dip vines in chemical before planting. (03 marks)

- e)
- Lower the quality/taste of the product.
 - Lower the quality/yield of the crop.
 -
 -

1x2=(02 marks)

3.

- a) – Hand spraying animals to control external parasites.
- Pest control by spraying in crops.
 - Spraying to control weeds.
 - Fumigating animal houses.
 - Applying fertilizers through foliar application.
 -
 -
 -
- b)
- Mixture of chemical & water is put in F/ tank.
 - F is put on the back of the farmer.
 - Handle is pressed down/ force is applied on the handle down.
 - Trigger is pressed.
 - Chemistry comes out in form of mist through the nozzle.
 - Chemical directed to the targeted crop/animal/ building
 -
 -
 -

Award 5points for 1mark @ 5X1 = 05 marks

- c)
- Blockage of nozzles.
 - Leaking hose / loose connection of hoses.
 - Faulty pump/ low pressure.
 - Worn out valves.
 -
 -
 -

(2x1 = 02marks)

4.

- a) G – Wide spark gap.
H – Dirty /coated terminals covered with oxides.
I – Lack pressure and oil rings.
- b) G – Ignition of fuel air mixture does not occur/No production of a spark.
H – Power will not be transferred to the spark/Engine will not start.
I – Loss of power.

- c)
- G – Narrowing the spark gap.
 - H – Cleaning the terminal using a wire brush.
 - Coating the terminal with grease.
 - I – Fixing of oil and pressure rings.
- d) – Filter gange.

5.

J – Many small tufted light seeds/seeds which are feathery

K – Many small seeds with hooks.

L- Has many small bulbils.

M- Adventitious roots/auxiliary bud at the node which can sprout into a new plant.

- a) J – seeds
 K – Seeds
 L – Bulbils
 M – Small part of the stem/ vegetation part.

Award $\frac{1}{2}$ mark @ $\frac{1}{2} \times 4 = 02$ marks

- b)
- Seeds with hooks get attached on animals fur /cloth for the farmer.
 - Seeds removed as a result of rubbing on the object drop to the ground and germinate/ or farmer removes the seeds from his cloth and drop them to the ground.
- 1 mark for hooks.
1 mark for the action.

- c)
- Herbicide is sprayed on to the leaves.
 - Herbicide is then trans located into the plant tissues.

(02 marks)

END