

MARK SCHEME for the October/November 2008 question paper

0600/02	0600 AGRICULTURE Paper 2 (Core Theory), maximum raw mark 80
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This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began.

All Examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes must be read in conjunction with the question papers and the report on the examination.

- CIE will not enter into discussions or correspondence in connection with these mark schemes.

CIE is publishing the mark schemes for the October/November 2008 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

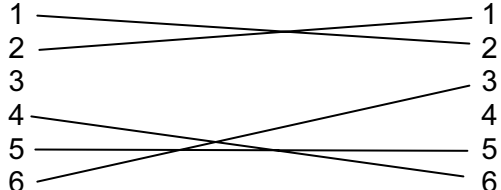
Page 2	Mark Scheme	Syllabus
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- 1 (a) (i) eggs / milk;
(ii) dung / animal manure / fertiliser / power / wool / fibre / feathers;
- (b) cattle is the most popular meat;
buffalo most eaten in Asia;
equines similar everywhere;
camelids only popular in Africa; [max 3]
- (c) (i) fish / rabbit / poultry; A pig with valid reason [1]
(ii) rapid growth rate;
short life cycle, quick turn around; A lack of fat [2]
- [Total: 8]**
- 2 (a) (i) wind; A physical for 1 mark
freeze thaw;
rain / rivers;
chemical; [4]
(ii) roots penetrate;
dead / organic matter forms humus; A ion exchange [2]
- (b) (i) water; air; [2]
(ii) more humus / organic matter;
more living things; A air [1]
- (c) distilled water / barium sulphate / universal indicator (BDH) /
shake and leave / compare colour with chart; [max 3]
- [Total: 13]**
- 3 (a) light from sun; a gas called carbon dioxide
water from soil; a gas called oxygen [4]
- (b) (i) less photosynthesis due to less light; R no photosynthesis
(ii) less transpiration due to less heat; [2]
to gain a mark in both (i) and (ii) an explanation must be given
- (c) appropriate pest for named crop; (1)
appropriate control named; detail given; (2) [3]
- [Total: 9]**

Page 3	Mark Scheme	Syllabus
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- 4 (a) (i) shape of leaves / size of flowers / shape of tubers / plant decumbent rather than upright / tubers grow from runner rather than terminal / roots on tuber (and) runner in sweet potato; R size reference [1]
- (ii) idea of fission rather than fusion; identical offspring / no variation; A reference to only one parent [2]
- (iii) idea of tubers separating; each then grows new plants; [2]
- (b) damp / wet / rain; warm / humid; [2]
- (c) aids leaf growth; protein building; A increase plant growth [2]

[Total: 10]

- 5 (a)  5 correct = 4 marks
4 correct = 3 marks
3 correct = 2 marks
2 correct = 1 mark
1 correct = 0 [4]

- (b) sunflower cake / maize meal; [1]
- (c) ration containing all food requirements; ratio related to demands of animal; [2]

[Total: 7]

- 6 (a) toxic fumes / do not breathe in; A cover up nose and mouth
toxic to water life e.g. fish / do not let into water courses; [3]
danger to skin / wash hands after use;

- (b) (i) spray will wash off before absorption;
- (ii) spray gets elsewhere / damage other crops / waste; R blown away unless qualified [2]

- (c) appropriate weed; spreads by runners / stolons or seeds in wind; OWTTE [2]

[Total: 7]

