

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

GCE O Level

MARK SCHEME for the November 2005 question paper

5014 ENVIRONMENTAL MANAGEMENT

5014/02

Paper 2

maximum mark 60

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RWANDA

- 1** (a) 7, 4; [1]
- (b) July, July [1]
- (c) axes correct; axes labelled; plots;; [4]
- (i) $1850/9250 = 20\%$;; [2]
- (ii) suitable rows/columns; headings;; [3]
- (iii) A; only based on one day/eq; [2]
- (e) plant at least $\frac{1}{2}$ hectare; make sure you have enough labour; AVP; [2]
- (f) (i) maize; [1]
- (ii) make expt more accurate/reliable/eq; [1]
- (iii) farm A = finger millet, maize;
farm B = all three crops;
+ two good reasons;; [4]
- (iv) size of pot; amount of water; type of soil; source of seed; AVP; [3]
- 2** (a) field 1; make rotation easier/eq; [2]
- (b) each row show rotation from original;; [3]
- (c) (i) 7200; 5300; [2]
- (ii) interception; qualified; [2]
- (iii) make sure no holes; same area; same time for collection; guard from animal attack; AVP; [3]
- (d) (i) A D E in open; B C F under trees; [2]
- (ii) more organic matter under trees/eq; soil erosion/harvesting in open; AVP; [2]
- 3** (a) valid negative point for each idea;;; [4]
- (b) carry out rotation; keep mix of crops; some animals/named animals;
keep some tress/do not cut down trees; plant some tress;
intercropping; do not spend too much on fertiliser/pesticide;
AVP;;; [max 5]

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- 4 (i) four correct counts from diagram; [1]
- (ii) R, most particles/more larger particles; [2]
P, least particles/least larger particles;
- (iii) plants – reduced growth/photosynthesis/eq; [3]
humans – lung diseases/named disease; dust toxic; AVP;
- (b) (i) taxes/revenue/improve growth of country/ AVP; [1]
- (ii) three valid questions well laid out;;; [4]

TOTAL 60