0670/4 NATURAL ECONOMY MARKING SCHEME   NOV 2002

1a.i 400 – 425 (km);   1
  ii June – October   1

b. i earn income/eq; money for, seeds; tools; fertiliser; food;
AVP;   2

ii very long border; estimated figure from map; no fixed border;

few border controls/eq; AVP;; eg corruption   2

2a. sand;   1
     gravel   1

b   any safety point; stealing work of others; more habitat

destruction; visual pollution; flooding; AVP;;   R soil erosion

unqualified   3

c 10(days);   1

3a 20 – 100 workers; (or 6 – 35%)   1

 b.two questions related to data; further two questions related to

data;   2

 c two questions that could gather more data such as, age; annual

income; size of family; AVP;;   2

d more work; better standard of living; further qualification of

work; AVP;; eg more skilled work   2

4 a i January;   1
   ii June/July/August/September;   1

b 1250(cm);   1
500/1250 X100 = 40 (%);;   2

(A error carried from part a = 2 mks. Correct working and no answer = 1 mk)

c November/December – April;   1

5 a hunting; poaching; habitat destruction; illegal trade; AVP;;

(Allow pollution only in context eg DDT)   2

b tourism = more foreign exchange; natural predator/food chain

in balance; education; research; R breeding/conservation

answers ie save lions   3

c fixed maximum per day/quota; strict paths; no litter; no noise;

   no vehicles no fires; AVP;;

Mark two ideas = 2 mks + further detail for 1 mk   3

6 a suitable straight line; (on or near top of A and B) ;   1

ii decrease in height between A and B/eq;   1

b X – fertiliser; genetic factor; ref to lack of pests; good soil water;
Y – poor soil; genetic factor; pests; poor soil moisture;

A ref to disease once in X or Y   2

c size of field; same(species/variety) of millet; slope; aspect;

drainage; planting density; soil type; season; growing time;

fertiliser; AVP;; R same field/light   3

d i A/B; only a few measurements/so unreliable/eq;   2

ii C; many samples; so average can be calculated; repeated for 5

trees; all aspects measured; AVP;;   4

e i plot; axes labelled(minimum one unit); suitable scale;
orientation; A one plotting error   4

ii 5 –7(m);   1

f) nine trees, with good spacing;   1

7 a proposal three; qualified, cashews can be looked after near

village; more money earned; AVP;

proposal four; qualified, fertility maintained; more money;
AVP;

4

b proposal one; qualified, soil fertility drops; so lower yield; less

food due to exports; AVP;

proposal two; qualified, loss of shelter for people/crops; loss of

fertility form trees; AVP;   4

TOTAL 60