

**CAMBRIDGE  
International Examinations**

**Final Mark Scheme**

**IGCSE Geography 0460/3 November 2002**

- |    |                                                                                                                                                                                                                                                           |           |     |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----|
| 1. | (a) (i) 985432                                                                                                                                                                                                                                            |           | = 1 |
|    | (ii) Allow 4150 - 4350 (m) Metres not required,                                                                                                                                                                                                           |           | = 1 |
|    | (iii) South-east, ==                                                                                                                                                                                                                                      |           | = 1 |
|    | (b) (i) sports field,<br>golf course,<br>hotel,<br>Race track,                                                                                                                                                                                            | Any two   | = 1 |
|    | (ii) relief, i.e bounded by highland/other areas too high/avoids steep slopes/<br>on gently sloping land                                                                                                                                                  |           | = 1 |
|    | (c) embankment,<br>cutting,<br>bridge,                                                                                                                                                                                                                    | Any two = | 1   |
|    | (d) 25/4550<br>1 in 182/ 1:182/ 1over 182 / 0.55%.                                                                                                                                                                                                        | 2 at 1    | = 2 |
|    | (e) mining/prospecting trench,<br>cooling tower,<br>electricity line,<br>mines,<br>mine dumps,<br>quarrying/excavation,<br>railways                                                                                                                       | 4 at 1    | = 4 |
|    | (f) meander,<br>variable width,<br>braiding/island,<br>rapids,<br>*flows SE,<br>*gentle gradient.<br>* = compulsory points                                                                                                                                | 4 at 1    | 4   |
|    | (g) on cultivated land,<br>along tracks/roads,<br>on lower land,<br>on more gently sloping land,<br>near railway,<br>avoids highland,<br>avoids steep slopes,<br>few/none in sparse/medium bush,<br>none near streams,<br>most in south east/few in north | 4 at 1    | 4   |

2. (a) 5% (% not required) = 1
- (b) A = 1
- (c) A,  
very high birth rate/lower age groups much greater,  
many children/broad base/20% 0-4/ 34-36% 0-9 2 at 1 = 2
- (d) 5 – 9 = 1
- (e) A = 1
- 
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3. (a) meander, = 1
- (b) erosion/undercutting/abrasion. = 1
- fast flow/fast current hits bank = 1 = 2
- (c) collapse of fence,  
river cliff/steep river bank, 2 at 1 = 2
- (d) correct shape of section,  
river cliff and slip off slope named,  
i.e. 1 for two correct labels, 1 for correct shape 2 at 1 = 2
- 
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- 4 (a) (late) winter/dry season/summer dry (**NOT** just summer!) = 1
- (b) subsistence farming, = 1
- (c) small farm,  
(fairly) steep slope  
contour bunds/grass buffer strips,  
contour ploughing/ploughing along or across slope  
steps/terraces,  
some pasture/grazing,  
few farm buildings,  
subsistence farming  
arable 4 at 1 = 4

5	(a)	A - manufacturing industry, B - holiday resort, C - mining town,	2 at 1	=2
	(b) (i)	64% (tolerance to be allowed 62 - 66)		=1
	(ii)	2 divisions correct and shading must be correct  (75%= 270'. 10% = 360, 15% =54 0	2 at 1	= 2
	(iii)	A		= 1
	(iv)	A has more services, A has more manufacturing, A has less agriculture, (Allow opposite approach based on B or combination of both)		
		NB 'A has more services but b has more in agriculture' is one mark. The second mark would have to be for differences in manufacturing. Similarly 'A has least in agriculture, B has least in manufacturing' would be one mark. The second mark would have to be for differences in services.		
			2 at 1 = 2	
			<b>8</b>	

6. (a)	(i)	X – index/pin/indicator/marker Y - Mercury,	Both correct	= 1
	(ii)	15°C (° required)		= 1
	(iii)	to reset the index		= 1
(b)	(i)	4th		= 1
	(ii)	9°C (°C required)		= 1
	(iii)	part of index nearest meniscus, eye level, regular time each day,	2 at 1	= 2
			<b>7</b>	

7. (a)	parking, traffic free areas/pedestrianisation, use of taxis	2 at 1 = 2
(b)	Government, banks/building societies/finance, offices/administration, shops/supermarket, post office, hotel, cinema, restaurant, Embassy, Civic Centre, Absence of residential/housing	