Mark Scheme (Results)

Summer 2008

IGCSE Geography (4370/03)

A PEARSON COMPANY

Unit 4370 Paper 3

Question Number	Answer	Mark
1(a)(i)	1 mark for correct answer. • Flower growing/ flowers grown indoors/in poly tunnels	(1)

Question Number	Answer	Mark
1(a)(ii)	1 mark for correct answer. • Abandoned irrigated area	(1)

Question Number	Answer	Mark
1(a)(iii)	1 mark for correct answer. • Papyrus reeds	(1)

Question Number	Answer	Mark
1(a)(iv)	1 mark for correct answer. • 123598 **Notes** • allow between 122/24 and 597/9	(1)

Question Number	Answer	Mark
1(b)(i)	2 marks for correctly plotted values and correctly drawn best-fit line. **Notes** • Both **completely accurately** plotted – 1 mark • Best-fit line drawn correct to 2mm - I mark	(2)

Question Number	Answer	Mark
1(b)(ii)	1 mark for each correct response – shown below. Maximum 2 marks. • Comments on the trends shown in either or both graphs without developing the relationship between them – 1 mark • Sees that the graphs are almost exactly mirror images, uses figures to support and may comment on the strength of the relationship – 2 marks	(2)

Question Number	Answer	Mark
1(b)(iii)	1 mark for correctly suggested link – see below. • Sees relationship between decline of natural vegetation and growth of agriculture	(1)

Question Number		
1(c)(i)		
Level	Mark	Descriptor
Level 1	1-2	directly lifts ideas from one or more resources without additional development.
Level 2	3-4	Starts to make conclusions based on the resources such as the fisherman and the scientist are both worried about the quality of the water and this seems to be linked to the development of the flower farms; should include two well expressed ideas.
Level 3	5-6	very well developed points from all three resources such as noting the decline in papyrus reeds and the increase in flower farming and suggesting a link with water levels.

Question Number		
1(c)(ii)		
Level	Mark	Descriptor
Level 1	1-2	suggests basic ideas – ask more people, visit more sites or similar.
Level 2	3-5	Suggests improvements which are justified in improving the validity of the collected data and the resulting conclusions. High Level 2 responses (4-5 marks) for making suggestions beyond resources provided (e.g. collect pH), or secondary database.

(Total 20 marks)

Question Number	Answer	Mark
2(a)(i)	1 mark for correct word. Maximum 3 marks. The Jubilee River flows in a **Southeast** direction from Maidenhead to where it rejoins the River Thames near **Eton**. The Jubilee River is approximately **12 (kilometres)** long.	(3)

Question Number	Answer	Mark
2(a)(ii)	1 mark for correct bullet point – see below. Maximum 2 marks. • Benefit – footpaths etc – 1 mark • Cost – noise etc – 1 mark	(2)

Question Number		
2(a)(iii)		
Level	Mark	Descriptor
Level 1	1-2	ideas taken from the resource without any development.
Level 2	3-5	Development, e.g. Although the cost of building the river were very high, it protects the urban areas of Windsor and Maidenhead from flooding which would be very expensive to clear up. Expect at least two developed ideas, with a clear overall conclusion at the top end. May realise costs and benefits and their relationship vary over time.

Question Number	Answer	Mark
2(b)(i)	1 mark for any correct reason – see below. Maximum 2 marks. • Heavy rain; • the River Thames exceeding bank full; • Jubilee River confluence bringing extra water; • History of flooding - flood prone area; • The problem has been moved to Wraysbury/Datchet or away from Maidenhead (causing flooding else where); (2 x 1)	(2)

Question Number	Answer	Mark
2(c)(i)	2 marks for correctly plotted graph – see below. **Notes** • Graph lines correct to 2mm. • Correct shading used.	(2)

Question Number		
2(c)(ii)		
Level	Mark	Descriptor
Level 1	1-2	Describes each graph separately without seeing overall trends. Lifts information from resource without development.
Level 2	3-4	Sees overall patterns (figs 2d and 2e), in particular the negative responses from Wraysbury or variable responses from Maidenhead (lack of firm opinion).
Level 3	5-6	Expect use of data (figs 2d and 2e) to support patterns. Comments on the contrast between the locations selected for the questionnaire. May link opinion to the choice of location and/or see the polarity of opinion and location link at Wraysbury at the top end.

(Total 20 marks)

Question Number	Answer	Mark
3(a)	2 marks for fully stated main aims – see below. Maximum 2 marks. • Brief statement of one idea – 1 mark • Developed idea or 2 brief ideas	(2)

Question Number		
3(b)(i)		
Level	Mark	Descriptor
Level 1	1-2	Gives an idea of the data that was collected – might be a list. Should show some link to the aims.
Level 2	3-4	Gives the data to be collected in some detail, well linked to the given aims, there should be some clear justification for the data selection at the top end.

Question Number		
3(b)(ii)		
Level	Mark	Descriptor
Level 1	1-2	Shows some understanding of sampling although this may be somewhat confused,
Level 2	3-4	Describes the sampling methods in some detail and clearly understands the term. Should name specific sampling methods at the top end, which are applicable to the selected data collection outlined in b(i).

Question Number	Answer	Mark
3(b)(iii)	2 marks for fully stated reasons for choosing sampling methods – see below. Maximum 2 marks. • To reduce bias/ to get a representative sample. **Notes** 2 ideas outlined or one showing development, must relate to specific data collection outlined in b(i)	(2)

Question Number		
3(c)(i)		
Level	Mark	Descriptor
Level 1	1-2	One method described with a limited justification – such as it is easy to construct..
Level 2	3-4	Marks two methods described with limited justification Different factors must be selected to reach top of level, such as easy to construct, visually clear. L2 for one method well developed.
Level 3	5-6	both methods fully justified with at least two ideas from each method – easy to construct, allows comparisons. Each method should have different factors.

Question Number	Answer	Mark
3(c)(ii)	2 marks for fully stated ways in improving data presentation – see below. Maximum 2 marks. • Accuracy in construction, different methods - Ideas must be justified to show valid improvements to achieve second mark.	 (2)

(Total 20 marks)

TOTAL FOR PAPER: 60 MARKS