

**UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS**  
International General Certificate of Secondary Education

**MARK SCHEME for the May/June 2011 question paper**  
**for the guidance of teachers**

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| <p><b>0460 GEOGRAPHY</b></p> <p><b>0460/21</b>                      Paper 2, maximum raw mark 60</p> |
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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, which would have considered the acceptability of alternative answers.

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

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

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|        |                                |          |  |
|--------|--------------------------------|----------|--|
| Page 2 | Mark Scheme: Teachers' version | Syllabus |  |
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- 1 (a) (i) railway/siding/Mulungwane Siding
- (ii) wide tarred
- (iii) linear/in a line [1]
- (iv) power line [1]
- (v) quarry/excavation [1]
- (vi) Mludu [1]
- (vii) trigonometrical station/pillar [1]
- Mark first answer given.
- (b) (i) 9957 [1]
- (ii) south east [1]
- (c) (i) sports field  
police station/security  
post office  
district administration office  
mission  
cemetery  
golf course  
reservoir/water supply  
railway/station [3]
- (ii) (centre of) mining (area)  
road junction/route centre  
railway (station)  
water supply from reservoirs/dam/river/watercourse  
local government  
many services/service centre for surrounding area  
gently sloping land [3]
- (d) steep slopes  
small valleys  
many valleys  
ridge  
1220–1403m  
high/upland
- small streams/rivers/water courses  
many streams/high drainage density  
flow north and south  
dam/lake [5]
- Reserve 1 for drainage.

|        |                                |          |  |
|--------|--------------------------------|----------|--|
| Page 3 | Mark Scheme: Teachers' version | Syllabus |  |
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- 2 (a) (i) 1 (million)
- (ii) 6 (million)
- (b) (i) large number of children/young wide base [1]
- (ii) rapid decrease in numbers with age pyramid gets thinner quickly [1]
- (c) Bangladesh [1]
- (d) (i) smaller numbers of babies/young children/ 0–9 year olds than older groups thin base then wider above [1]
- (ii) 5–13 years ago/1997–2005 [1]
- (e) famine  
war  
migrations  
baby boom  
economic fluctuations  
government policies [1]

3 (a)

|                   | Photograph A | Photograph B | Photograph C | None of the photographs |
|-------------------|--------------|--------------|--------------|-------------------------|
| rocky beach       |              | ✓            |              |                         |
| sand dunes        | ✓            |              |              |                         |
| arch              |              |              |              | ✓                       |
| wave-cut platform |              |              |              | ✓                       |
| bar               |              |              | ✓            |                         |

More than one tick per row = 0 [5]

- (b) onshore wind  
picks up sand from beach/blows sand from the beach  
at low tide  
carried inland  
deposition/accumulation  
assisted by vegetation

If describing water action max 1. [3]

|        |                                |          |  |
|--------|--------------------------------|----------|--|
| Page 4 | Mark Scheme: Teachers' version | Syllabus |  |
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- 4 (a) (i) decreased
- (ii) increased
- (iii) runway added  
cross-shape formed [1]
- (iv) (main part) unaltered  
further from sea/channel formed/more enclosed/entrance narrower, more sheltered [2]
- (b) (i) north west [1]
- (ii) correct position of L [1]
- (iii) housing/buildings/part of town [1]
- 5 (a) (i) correct angles and labelling  
gas = 192–196°, oil = 41–45° [1]
- (ii) 15–18 (%) [1]
- (b) Oil/gas imports could be increased  
ships/pipelines in place  
source across Mediterranean Sea [1]
- rising prices  
dependence on imports [1]
- Coal coalfield in Sardinia/Sulcis/Italy could be used [1]
- environmental concerns/air pollution/global warming/greenhouse gases  
political opposition [1]
- Nuclear does not produce greenhouse gases/global warming/harmful gases  
public opinion now more favourable [1]
- concerns about pollution/meltdown/repeat of Chernobyl  
public/political opposition [1]

|        |                                |          |
|--------|--------------------------------|----------|
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- 6 (a) (i) European smaller/quantified  
(ii) increase in every year/continuous increase

(b) (i)

| Location  | Stage |   |   |   |   |
|-----------|-------|---|---|---|---|
|           | 1     | 2 | 3 | 4 | 5 |
| Deeside   |       | ✓ |   |   |   |
| Kolin     |       |   | ✓ |   |   |
| Zeebrugge |       |   |   | ✓ |   |

[3]

- (ii) even distribution/one per country  
better access to market (allow various expressions)

[2]

- (c) skilled labour  
cheap labour  
government support  
sites available  
component supply  
effect of EU tariffs  
import tariffs/less tax on imported components  
large/rich market/market in MEDCs  
reduce transport costs on vehicles imported from Japan

[1]