# $\frac{\text { WJEC }}{\text { CBAC }}$ WJEC 2014 Online Exam Review 

GCE Geology GL2a 1212-01
Investigative Geology

| Question Title |
| :---: |
| 1 |
| 2 |
| 3 |
| 4 |
| 5 |
| 6 |
| 7 |

2. Map 1 shows two faults, F1 and F2.
(a) Complete Table 2 with your evaluation of two statements about Fault F1 and state your evidence from Map 1.

| Statement | Evaluation <br> (true/false) | Evidence from Map 1 |
| :--- | :--- | :--- |
| Fault F1 shows strike-slip <br> displacement | $\bullet$ |  |
| Fault F1 dips at a lower angle <br> than Fault F2 | $\bullet$ | $\bullet$ |
|  |  |  |

Table 2
2. Map 1 shows two faults, F1 and F2.
(a) Complete Table 2 with your evaluation of two statements about Fault F1 and state your evidence from Map 1.

Beas with thasame [2] dip are seperated from each other.

| Statement | Evaluation (true/false) | Evidence from Map 1 |
| :---: | :---: | :---: |
| Fault F1 shows strike-slip displacement | True | - Bees eitherside of the faut have. shifted and areno ionger aligned. |
| Fault F1 dips at a lower angle than Fault F2 | Fause | - Fl is verhcal $\left(90^{\circ}\right)$ and $F_{2}$ is slighty sinkus sodips $70180^{\circ}$. FIdips det a |
| Table 2 hugher angle |  |  |

2. Map 1 shows two faults, F1 and F2.
(a) Complete Table 2 with your evaluation of two statements about Fault F1 and state your evidence from Map 1. Beas with thesame [2] dip are seperatad from each other.

| Statement | Evaluation (true/false) | Evidence from Map 1 |
| :---: | :---: | :---: |
| Fault F1 shows strike-slip displacement | True | - Bees eitherside of the faut have. shifted and areno ionger aligned. |
| Fault F1 dips at a lower angle than Fault F2 | Fause | - Fl is verhcal $\left(90^{\circ}\right)$ and $F_{2}$ is slighty sinkos sodips $70180^{\circ}$. FIdips of a |

2. Map 1 shows two faults, F1 and F2.
(a) Complete Table 2 with your evaluation of two statements about Fault F1 and state your evidence from Map 1.

| Statement | Evaluation (true/false) | Evidence from Map 1 |
| :---: | :---: | :---: |
| Fault F1 shows strike-slip displacement | - True | - The cubeds have all Shipted cowords the lept |
| Fault F1 dips at a lower angle than Fault F2 | False | - Faulte 1 is a verticle fault. endera |

2. Map 1 shows two faults, F1 and F2.
(a) Complete Table 2 with your evaluation of two statements about Fault F1 and state your
evidence from Map 1. evidence from Map 1.

| Statement | Evaluation (true/false) | Evidence from Map 1 |
| :---: | :---: | :---: |
| Fault F1 shows strike-slip displacement | - True | - The cu beds have all Shipted cowouds the left |
| Fault F1 dips at a lower angle than Fault F2 | False | - Faule 1 is a verticle fault. endear |


2. Map 1 shows two faults, F1 and F2.
(a) Complete Table 2 with your evaluation of two statements about Fault F1 and state your evidence from Map 1.

| Statement | Evaluation (true/false) | Evidence from Map 1 |
| :---: | :---: | :---: |
| Fault F1 shows strike-slip displacement | - 10 arzoatal True | - Honzontal, sinobral moveret or beas |
| Fault F1 dips at a lower angle than Fault F2 | fabe | - Fl us $90^{\circ}$ and F2 is slignty sinuer so low angl (lour binan $90^{\circ}$ ) |

Table 2
2. Map 1 shows two faults, F1 and F2.
(a) Complete Table 2 with your evaluation of two statements about Fault F1 and state your evidence from Map 1.

| Statement | Evaluation (true/false) | Evidence from Map 1 |
| :---: | :---: | :---: |
| Fault F1 shows strike-slip displacement | - $408+20 a b d a$ True | - Monzartal Sinobral monget or beos |
| Fault F1 dips at a lower angle than Fault F2 | fabe | - Fl us $90^{\circ}$ and F2 is sligity sinvir fo low ande (lour ben $90^{\circ}$ ) |

Table 2
3. Specimen C is representative of Rock Unit C on Map 1.
(a) (i) Complete Figure 3a by drawing, to the scale provided, the texture of Specimen C.


Figure 3a
(a) (i) Complete Figure 3a by drawing, to the scale provided, the texture of Specimen C.


Figure 3a

$$
\ln =10
$$

(a) (i) Complete Figure 3a by drawing, to the scale provided, the texture of Specimen C.


Figure 3a

$$
\ln =10
$$

(a) (i) Complete Figure 3a by drawing, to the scale provided, the texture of Specimen C.


Figure 3a
(a) (i) Complete Figure 3a by drawing, to the scale provided, the texture of Specimen C.


Figure 3a
(a) (i) Complete Figure 3a by drawing, to the scale provided, the texture of Specimen C.


Figure 3a
(a) (i) Complete Figure 3a by drawing, to the scale provided, the texture of Specimen C.


Figure 3a
6. (a) The topographic profile below was taken along the line $\mathbf{X}-\mathbf{Y}$ on Map 1.

Part of the base of Rock Unit C and Fault F2 have been inserted.
Complete the sketch of the geological cross-section along this line using Map 1.

- Draw the rock units. Use similar ornament or letters for these as used on Map 1.
- Draw and label any fold axes.
- Draw arrows alongside Fault F2 to show movement.
- Project the rock units and structures above the ground surface to illustrate any cross-cutting relationships.

- Project the rock units and structures above the ground surface to illustrate any cross-cutting relationships.
F2

$\rho$


- Draw arrows alongside Fault F2 to show movement.
- Project the rock units and structures above the ground surface to illustrate any cross-cutting relationships.

- Draw arrows alongside Fault F2 to show movement.

Project the rock units and structures above the groand surface to ilustrate any cross-cutting relationships.
[12] 12


