



WINCHESTER
COLLEGE

Election 2018

Geography (A5)

Monday 23rd April 1400 – 1530

Leave this question paper behind at the end of the exam

Time allowed: 90 minutes

This paper consists of six questions in two sections:

- Section A (essays)
- Section B (data response).

Answer **TWO** questions from Section A and **ALL** of Section B. You should aim to spend no more than 30 minutes on each answer. Credit will be given for relevant sketch maps and diagrams illustrating your answers. All questions carry equal marks.

SECTION A

QUESTIONS 1-5

Answer *two* questions from this section.

1. Rivers, mountains, cracks in the ground and many other natural phenomena appear similar at different scales. Why might this be?
2. In geographical investigation what is more useful: data that covers a large spatial area or data that covers a large span of time?
3. Compare and contrast colonialism and globalisation.
4. What influences the impacts of a hazard the most: poverty, building quality or chance?
5. Interpret: "The mountains flowed down at the presence of the Lord" (Judges 5:5, English Revised Version).

Each question is worth 20 marks

SECTION B

Answer *all* questions in this section.

QUESTION 6

In the face of climate change some people are advocating hard-nosed approaches to conservation. The questions below are based on a paper where the authors look at historic climate change situations and present data on how different ecosystems behaved. It may be that it is not worth investing effort in trying to conserve less resilient ecosystems in the face of significant contemporary climate change.

- a) Describe figure 1 (including the inset graph). (4)

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Figure 1

- b) Explain the relationship between temperature change and pollen richness. (4)
- c) Why does the data for pollen richness only extend back to around 11,600 years ago? (4)

- d) Figure 2 shows vegetation response to an environmental perturbation at two sites in Madagascar (Fossa and Bassin). *P* represents pollen abundance.

How do the sites differ in their response to the environmental perturbation? Use evidence from the figure in your answer. (8)

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Figure 2