

A level Geography

H481/01 Physical systems

Question Set 6

Glaciated Landscapes

- 1 (a) Explain how a glacier can be viewed as a system. [8]
- (b) Study **Table 1** which shows the mean rate of retreat for 9 glaciers in the Himalayas from 2000 to 2007.
- S.R. Bajracharya and P. Mool, 'Glaciers, glacial lakes and glacial lake outburst floods in the Mount Everest region, Nepal', (2009) A. Glaciol., 50 (53), 81-86. Adapted from original material from the Annals of Glaciology with permission of the International Glaciological Society. Item removed due to third party copyright restrictions.
- Table 1 Mean rate of retreat for 9 glaciers in the Himalayas (2000–2007)**
- (i) Calculate the median for the data shown in **Table 1**.
You must show your working. [2]
- (ii) Calculate the interquartile range for the data shown in **Table 1**.
You must show your working. [4]
- (c) Study **Fig. 1**, Sierra Nevada, California. [3]
- (d)* Using a case study, assess the relative importance of the different physical factors influencing a landscape shaped by the action of ice sheets. [16]

Total Marks for Question Set 6: 33

Resource Materials

1 (c) Fig. 1 – Sierra Nevada, California

M Latta, 'Volcanoes of the Eastern Sierra Nevada: Geology and Natural Heritage of the Long Valley Caldera - GLACIAL HISTORY AND PROCESSES OF THE SIERRA NEVADA', [www.indiana.edu](http://www.indiana.edu/~sierra/papers/2014/latta.html), Indiana University Bloomington. Item removed due to third party copyright restrictions. Link to source material: <http://www.indiana.edu/~sierra/papers/2014/latta.html>



Oxford Cambridge and RSA

Copyright Information

OCR is committed to seeking permission to reproduce all third-party content that it uses in its assessment materials. OCR has attempted to identify and contact all copyright holders whose work is used in this paper. To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced in the OCR Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download from our public website (www.ocr.org.uk) after the live examination series.

If OCR has unwittingly failed to correctly acknowledge or clear any third-party content in this assessment material, OCR will be happy to correct its mistake at the earliest possible opportunity.

For queries or further information please contact The OCR Copyright Team, The Triangle Building, Shaftesbury Road, Cambridge CB2 8EA.

OCR is part of the Cambridge Assessment Group; Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge