

## **A level Geography**

**H481/01** Physical systems

### **Question Set 10**

Glaciated Landscapes

1 (a) Explain the role of flows of energy in the formation of an erratic. [8]

(b) Study **Table 1**, which shows inputs and outputs of water equivalent for a glacier in Norway during 2017.

		Summer	Winter
Input (cm)	Wind redistribution	1	10
	Direct snowfall	0	40
	Avalanche	0	170
Output (cm)	Melting	120	2
	Evaporation / sublimation	50	10

**Table 1 Inputs and outputs of water equivalent for a glacier in Norway during 2017**

- (i) Find the mode(s) of the data set shown in **Table 1**. [2]
- (ii) Calculate the mass balance for each season shown in **Table 1**. You must show your working. [2]
- (iii) State whether each season was in a surplus, deficit or equilibrium state. [2]
- (c) Study **Fig. 1**, Tuktoyaktuk, Canada; an area that has experienced climate change.
- With reference to **Fig. 1**, explain the role of **one** geomorphic process in forming landform **A**. [3]
- (d)\* 'Geology is the most significant influence on glaciated landscapes.' To what extent do you agree with this statement? [16]

**Total Marks for Question Set 10: 33**

# Resource Materials

1 (c) Fig. 1 – Tuktoyaktuk, Canada





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