**Alexandra Mountains Antarctica**

**Section A**

Which features do these lines pass through?

1. A mountain at latitude 77o 15’S \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. A spot height at longitude 155oW\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. A mountain at longitude 153oW \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. An island at longitude 153oW \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. A glacier at latitude 77o 15’S \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. An Ice Shelf at longitude 154oW \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Section B**

Give the co-ordinates as accurately as you can for:

1. The seal colony \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Bowman Peak \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Scott Nunataks \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Section C**

1. Approximately how long is Olson Island? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Approximately how far is Fisher Island from Olson Island?
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Could you see Fisher Island from Bowman Peak? Explain your answer \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Does the Butler Glacier flow from left to right or right to left? How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Imagine you are standing at the Scott Nunataks, describe the landscape around you, use these words in your description.

higher lower steep plateau glacier ice(!)

**Answers** - Alexandra Mountains Antarctica

Section A – 1 mark each

1. Mount Youngman
2. 660m
3. Mount Josephine
4. Webber Island
5. Richter Glacier, accept Cumbie Glacier
6. Swinburne Ice Shelf

Section B – 1 mark for correct degrees + 1 mark for minutes ± 15 or decimal ± 0.25

1. 77° 5’ S 154° 50’ W (77.1° S 154.85° W)
2. 77° 25’ S 153° 30’ W (77.45° S 153.5° W)
3. 77° 12’ S 154° 30’W (77.2° S 154.5° W)

Section C

1. 11km / 7 miles ±2 - 1 mark
2. 20km / 12 miles ±3 - 1 mark
3. No - 1 mark, mountains or similar in the way – 1 mark
4. L to R – 1 mark, reference to contour lines or towards sea, or away from land – 1 mark.
5. Slope down to sea/ice – 1 mark;
Ice plateau or similar description – 1 mark;
Looking down onto Cumbie glacier – 1 mark;
Named other glacier in sight – 1 mark;
Named Island/s – 1 mark each, up to 2;
Seal colony by sea – 1 mark.
Named appropriate peak – 1 mark each up to 2.
½ mark for appropriately using each of given words.
Other relevant non-repeated observations – 1 bonus mark each.

Sections A and B - 18 marks max.

Section C – 12 marks + bonus marks

