**B1 Mock test - Geology**

**Task 1 Listening**

**Complete the sentences with one word or number. At the exam, you will hear the recording twice.**

1. The TV series such as *The Bionic Woman* or the *Terminator* where the characters are a mixture of technology and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

2. *The Bionic Woman* is a programme about a patient whose arm was \_\_\_\_\_\_\_\_\_\_\_\_\_\_ in an accident.

3. The woman is being treated in a hospital where they \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ a bionic arm which fits onto her shoulder.

4. The doctors are \_\_\_\_\_\_\_\_\_\_\_\_\_ that she will be able to do the things we take for granted.

5. Bionics is very good for people who have lost their \_\_\_\_\_\_\_\_\_\_.

6. The possibilities of biotechnology seem to be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

7. The documentary will be on TV today on Channel 10 at \_\_\_\_\_\_\_\_\_\_\_\_.

**Task 2**

**Complete gaps 1-8 in the text below with the following words. There are three words that you will not need to use:**

***collected covering data dense detect effect exploration liquid orbiting referred surfaces***

**Geology among the stars**

By early 2015, planets had been discovered at about 1200 stars. These are (1) …………… to as ´exoplanets´. At first, most of the discoveries were Jupiter-sized or bigger, (2) …………… rather close to their stars, because these are the easiest to (3) ………….. . However, rocky planets comparable in size to the Earth and cool enough to have (4) …………. water have begun to show up as well. In our lifetimes, we should get spectroscopic (5) …………. on exoplanets´ atmospheric compositions, but we cannot expect to see their (6) ………….. in sufficient detail for any kind of geological study. The best we might hope for is to detect supervolcano eruptions by means of their (7) …………… on the atmospheric composition. However, with many unresolved questions remaining about the Earth, and the geological (8) …………. of our Solar System barely begun, there is plenty to keep the geologists busy, as well as fascinated, nearer to home.

**Task 3**

**Various parts of the sentences below are underlined. Write questions in which you ask about the underlined part.**

*E.g. I have always admired Chester´s work.*

 *- Whose work have you always admired?*

1. They completed the survey in May.

…………………………………………………………………..?

1. The evidence gave rise to theories of moving continents.

……………………………………………………………………?

1. The book was first published in London.

…………………………………………………………………… ?

1. They are dealing with some funding-related issues.

……………………………………………………………………. ?

1. She has shared three sets of data with us.

…………………………………………………………………….?

**Task 4**

**Choose the answer that fits each gap.**

1. I no longer have the support of the team. I have …………. decided to resign.
2. unless b) despite c) therefore d) although
3. We cannot understand the disease …………. we understand the person who has it.
4. unless b) despite c) therefore d) in addition

**Task 5**

**Use the word given in brackets to form a word that fits in the gap. Do not use -ing forms.**

1. Many species of plants and animals are in danger of …………………… . (EXTINCT)
2. Molten volcanic lava …………….. (SOLID) as it cools.
3. The sea bed ………………… (DEEP) here to 5,000 metres.
4. How can you measure the ………………… (WIDE) of these tiny wires?
5. Many people are very concerned about the ………………. (DESTRUCT) of the rainforests.

**Task 6**

**Transform the sentences so that they have a similar meaning to the original sentence.**

E.g. They published this book in England.

 The book ….. was published in England.

1. We have interviewed 1500 people in the study.

1500 people ………………………………….. in the study.

1. It is a good idea to take the exam this semester.

You ……………………………………the exam this semester.

1. She will consult her supervisor. Then she will submit her dissertation.

She will submit her dissertation after she …………………………… .

1. I haven´t been to Russia for three years.

I last ……………………………. to Russia three years ago.

1. I don´t have enough samples. I can´t complete my study.

I could complete my study if ……………………….. enough samples.

**Task 7**

**Seven parts of sentences have been removed from the text below. Choose one of parts (A – G) for each gap. Write the appropriate letter next to a number:**

1. that societies wish to maintain
2. land suitable for cultivation
3. or through irrigation
4. is uncertain
5. alternatives will have to be found
6. through loss of nutrients and by erosion of topsoil
7. just how many people the earth can sustain

**Farmland and food supply**

Whether or not the earth can support seven billion people, or eight, or eleven, (1) ……….. . In part, it depends on the quality of life, the level of technological development, and other standards (2) ………. . Yet even when considering the most basic factors, such as food, it is unclear (3) ……… . Projections about the adequacy of food production, for example, require far more information than just the number of people to be fed and the amount of available land. The total arable land ((4) ………) in the world has been estimated at 7.9 billion acres. The major limitation on this figure is availability of water, either as rainfall (5) ……… . Other factors relating to the nature of the soil include the soil´s fertility, water-holding capacity, and general suitability for farming. Soil character varies and its productivity is variable as well. Moreover, farmland can degrade (6) ….… . This degradation must be considered when making production predictions.

Food is at least a renewable resource. Within a human life span, many crops can be planted and harvested from the same land. By contrast, the supplies of many of the resources such as minerals, fuels or even land itself, are finite. When these resources are exhausted, (7) ….... or people will have to do without.

**Task 8**

**In the text below find seven words that fit the meaning of explanations 1-7. Find only one word for each explanation. The words occur in the text in the same order as their explanations.**

**Disaster in the Andes**

As a result of a tragic combination of geological conditions, one of the most devastating landslides in history destroyed the town of Yungay in Peru in 1970. Yungay was one of the most picturesque towns in the Santa River Valley, which runs along the base of the highest peaks of the Peruvian Andes. Heavily glaciated Nevado Huascarán, 6 663 metres above sea level, rises steeply above the populated narrow plains along the Santa River.

In May 1970 a sharp earthquake occurred. The earthquake was centred offshore from Peru about 100km from Yungay. Although the tremors in this part of the Andes were no stronger than those that have done only light damage to cities in the USA, many poorly constructed homes collapsed. Because of the steepness of the slopes, thousands of small rockfalls and rockslides were triggered.

1. causing a lot of destruction: ………………………….
2. masses of rock and earth moving suddenly and quickly down the hill: …..……….
3. at a sharp angle: …………………..…….
4. large areas of flat land: ………………………
5. away from the coast: ……………..……..
6. slight shaking movements: ……….…………..
7. caused to start: ……………………….

**Task 9**

**Read the text below and decide which answer (A, B, C or D) best fits each gap. There is an example at the beginning.**

**San Francisco: the earthquake of 1906**

At 0512 hours (0) \_\_\_\_\_B\_\_\_\_ the morning of 18 April, the ground began to shake. There were three tremors, (1) \_\_\_\_\_\_\_\_\_ one increasingly more severe. The ground moved by over 6 m in an earthquake (2) \_\_\_\_\_\_\_\_\_ measured 8.2 on the Richter scale. Many apartment buildings collapsed, bridges were destroyed – the Golden Gate had not then been built – and water pipes fractured. The worst damage was “downtown” (3) \_\_\_\_\_\_\_\_\_the housing density was greatest. (4) \_\_\_\_\_\_\_\_\_many people were trapped within collapsed buildings, there were relatively few deaths.

Then came the fire! As it spread, houses were blown up with dynamite to try to create gaps to thwart the flames, but the explosions only (5) \_\_\_\_\_\_\_\_\_further fires. It took over three days to put out the fires, by which time over 450 people (mainly those previously trapped) had died, 28 000 buildings in 500 blocks had been destroyed, and an area six times greater
(6) \_\_\_\_\_\_\_\_\_that destroyed by the Great Fire of London had been ravaged.

0 A in B on C at D by

1 A each B any C all D most

2 A what B whose C how D which

3 A which B where C that D what

4 A Despite B However C In spite of D Although

5 A lead B contributed C resulted from D caused

6 A as B than C so D so as

**KEY**

**Task 1**

1 nature; 2 amputated; 3 developed / have developed; 4 confident 5 limb; 6 endless; 7 9.30

**Task 2**

1 referred; 2 orbiting; 3 detect; 4 liquid; 5 data; 6 surfaces; 7 effect; 8 exploration

**Task 3**

1 When did they complete the survey?

2 What gave rise to theories of moving continents?

3 Where was the book first published?

4 What are they dealing with?

5 How many sets of data has she shared (with us)?

**Task 4**

1 C, 2 A

**Task 5**

1 extinction; 2 solidifies; 3 deepens; 4 width; 5 destruction

**Task 6**

1 have been interviewed; 2 should take; 3 consults her supervisor/ has consulted her supervisor; 4 went; 5 I had

**Task 7**

1 D; 2 A; 3 G; 4 B; 5 C; 6 F; 7 E

**Task 8**

1 devastating; 2 landslides; 3 steeply; 4 plains; 5 offshore; 6 tremors; 7 triggered

**Task 9**

1 A, 2 D, 3 B, 4 D, 5 D, 6 B