

(Scientific section)

I- Read the following text then do the tasks below:

When we talk about animal migration we mean the movement of an animal from the place where it has been living to a different place and the return journey to that animal's original home. Most animal migrations are recurrent events which happen at certain times of the year. Animals usually migrate to find food or to raise their young. Incredibly, most migrating animals follow the same route every year and from generation to generation. Land animals may cross mountains or forge through rivers, while birds and insects travel extensive distances, sometimes across continents and oceans. Fish and other sea creatures may migrate halfway round the world. For example, the grey whale can travel as much as 20,000 kilometers. Many animals migrate to northern regions during the northern summer because the long summer days mean that there is always plenty of food. In the autumn, when the weather gets colder, many animals migrate south to find food and warmer weather (the southern summer). Some animals migrate every year, doing the two journeys in one year, but others migrate only if they need to find food or for more temperate weather.

Answer the following questions: (18 marks)

- 1- When do most animal migrations occur?
Most animal migrations are recurrent events which happen at certain times of the year.
- 2- Why do animals migrate?
Animals migrate to find food or to raise their young.
- 3- Where do many animals migrate in the summer?
Many animals migrate south in the summer.

Find words in the text which mean the following: (10 marks)

- 4- occurring often or repeatedly recurrent
- 5- having mild temperatures temperate

Rewrite these sentences about the text to correct the information: (12 marks)

- 6- Most animals migrate at different times of the year. Most animals migrate at certain times.....
- 7- The long summer days cause a little food .
The long summer days cause plenty of food.

II-Read the following text and do the tasks below:

Not many people work in space at one time, as crews on a space station are always as small as possible. It means that there are very few people to do all the technical, scientific and **domestic** jobs. Everyone shares the huge workload and the tiny living area. The crew are all highly qualified scientists who have important work to do. But they also live in a small area that must be kept clean and they need to prepare food, maintain the systems on board and still fit in enough time between their main jobs to get enough sleep and exercise. The astronauts carry out the cleaning in between their duties; they clean the metal area, change the air **purification** system's filters, collect the rubbish and wipe down the walls and floors. Each astronaut also has maintenance roles, looking after important systems. On board the ISS, the environmental control and life support systems control elements such as **atmospheric** pressure, oxygen levels and water recycling.

Choose the correct answer a, b, or c : (12 marks)

- 8- In space, the place where you can live is very
a- few b- huge c- small
- 9- In space, the crew have to do maintenance roles.
a- Some of b- all c- many of

Match the underlined words from the text to the definitions below: (12 marks)

- 10- The removal of dirty or harmful substances.
purification
- 11- Relating to family relationships and life at home.
domestic

Complete the following sentences with information from the text: (12 marks)

- 12- In space, the huge workload and the tiny living area are **shared by everyone**.
- 13- Some elements that the environmental control and life support systems control are **atmospheric pressure, oxygen levels and water recycling**

III- Complete the following paragraph by filling in gaps:
(18 marks)

- 14- In Syria my family lived in a lovely apartment,
15 - which was provided by my father's new job. My
16 - father helped to run an engineering firm that
built bridges.

IV- Fill in the spaces with words from the list. Use each word once only:
(24 marks)

feather, beginning, measure, different, height

- 17- To Galileo, it was only the beginning . Next, he
18- said that two different weights fall together if
19 - they come down from the same height . “ Not
20 - possible”! his friends said. Everyone knows that a
penny falls faster than a feather !

V- Complete the following dialogue by writing the suitable questions or answers. Write at least three words for each one :
(32 marks)

- 21- Bob: How much did you buy your flat ?
Jad: I bought my flat for 3 million Pounds.
22- Bob: Where is it on ?
Jad: It is on the first floor.
23- Bob: Where are you going to stay ?
Jad: I am going to stay there.
24- Bob: How far is it from here?
Jad: It is about 500 metres from here .

VI- Rewrite the following sentences as required in brackets:
(32 marks)

- 25- The economic success of the 1960s and 1970s was funded by oil.
(change the sentence to active)
Oil funded the economic success of the 1960s and 1970s.
26- Are you enjoying married life?
(I asked them if they were enjoying married life.)
27- I didn't repair the car myself.
(write using causative verb)
I had it repaired.
28- You eat too quickly.
(I wish you didn't eat too quickly.)

VII- Complete the following sentences using clauses :
(14 marks)

- 29- He had to pay a fine because he was driving without insurance.
30- While I was shopping, I saw an old friend.

VIII- Choose the correct words in brackets: (18 marks)

- 31- Storms caused the (destroyed – destruction) of most of the crops.
32- The people left because of volcanic (activity – act) .
33- The (major – majority) of the world's migrants move to find a better life.

IX- Correct the verbs in brackets : (18 marks)

- 34- In 1975 my family left (leave) England on an aeroplane.
35- I went to the doctor this morning because I had felt (feel) ill during the night.
36- When the rescue team arrived , many areas of the city had been destroyed (destroy) completely.

X- Translation:

Translate the following sentence into Arabic:
(10 marks)

- 37- A small miscalculation in the planning or preparation of the space mission will mean the death of everyone on board. إن خطأ حسابي صغير في التخطيط أو التحضير لمهمة فضائية سوف تعني الموت لكل شخص على متن المركبة .

Translate the following sentence into English:
(8 marks)

- 38- لقد كانت سنة كارثية على صناعة الشاي .
It has been a disastrous year for the tea industry.

XI- Composition : (50 marks)

Write a composition of no less than 80 words on the following topic:

Do you think computer companies should allow their employees to use work computers for their own Purposes?